PB86-156775

Documentation and Analysis for Prevention and Control of Hazardous Material Spills

Factory Mutual Research Corp., Norwood, MA

Prepared for

Environmental Protection Agency, Cincinnati, OH

Jan 86

U.S. Department of Commerce
National Technical Information Service
NTIS

PB86-156775

EPA/600/2-86/016
January 1986

DOCUMENTATION AND ANALYSIS FOR PREVENTION AND CONTROL OF HAZARDOUS MATERIAL SPILLS

by

D.B. Heard, L.M. Krasner, and B.G. Vincent
Factory Mutual Research Corporation
Norwood, Massachusetts 02062

EPA Contract 68-03-0317

Project Officer

John E. Brugger
Hazardous Waste Engineering Research Laboratory
Releases Control Branch
Edison, New Jersey 08837

HAZARDOUS WASTE ENGINEERING RESEARCH LABORATORY
OFFICE OF RESEARCH AND DEVELOPMENT
U.S. ENVIRONMENTAL PROTECTION AGENCY
CINCINNATI, OHIO 45268

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO. EPA/600/2-86/016	2.
3. RECIPIENT'S ACCESSION NO. PB86 156775/AS	
4. TITLE AND SUBTITLE DOCUMENTATION AND ANALYSIS FOR PREVENTION AND CONTROL OF HAZARDOUS MATERIAL SPILLS	5. REPORT DATE January 1986
	6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S) David B. Heard, Lawrence M. Krasner, Bennie G. Vincent	8. PERFORMING ORGANIZATION REPORT NO. FMRC J.I. 22542.00
9. PERFORMING ORGANIZATION NAME AND ADDRESS Factory Mutual Research Corporation 1151 Boston-Providence Turnpike Norwood, Massachusetts 02062	10. PROGRAM ELEMENT NO. CBRD1A
	11. CONTRACT/GRANT NO. 68-03-0317
12. SPONSORING AGENCY NAME AND ADDRESS Hazardous Waste Engineering Research Laboratory Office of Research and Development Cincinnati, OH 45268	13. TYPE OF REPORT AND PERIOD COVERED Final - June 1976-June 1982
	14. SPONSORING AGENCY CODE EPA/600/12

15. SUPPLEMENTARY NOTES
Project Officer: John E. Brugger (201) 321-6634

16. ABSTRACT

Prevention and control of a problem as complex as that of hazardous material spills and their ensuing effects on the population and environment can only be approached based on a comprehensive reliable system for spill incident collection and analysis. The groundwork for such a system was established in a previous program, EPA-600/2-78-066 dated April 1978 "Hazardous Material Spills: A Documentation and Analysis of Historical Data". The present program developed a detailed spill data base and a completely computerized system for producing reports upon request, with the further capability of generating statistics on any or all spill incidents which are encoded in computer storage. Two logically linked data sets were established. The first set is comprised of incident-related data, while the second is comprised of material-related data. The previously developed computer codes were modified due to the large number of incidents acquired, and to accomodate this dual data base system. New coding techniques also minimize the potential of multiple entries and greatly increase the amount of information that can be stored. These charges have made the data system more nearly universal, providing a more accessible means of retrieving information than was possible using previous retrieval methods.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group

18. DISTRIBUTION STATEMENT RELEASE TO PUBLIC	19. SECURITY CLASS *(This Report)* UNCLASSIFIED	21. NO. OF PAGES 565
	20. SECURITY CLASS *(This page)* UNCLASSIFIED	22. PRICE

EPA Form 2220-1 (Rev. 4-77) PREVIOUS EDITION IS OBSOLETE

DISCLAIMER

The information in this document has been funded wholly or in part by the United States Environmental Protection Agency under Contract No. 68-03-0317 to Factory Mutual Research Corporation. It has been subject to the Agency's peer and administrative review, and it has been approved for publication as an EPA document. Mention of trade names or commercial products does not constitute an endorsement or recommendation for use.

FOREWORD

Today's rapidly developing and changing technologies and industrial products and practices frequently carry with them the increased generation of solid and hazardous wastes. These materials, if improperly dealt with, can threaten both public health and the environment. Abandoned waste sites and accidental releases of toxic and hazardous substances to the environment also have important environmental and public health implications. The Hazardous Waste Engineering Research Laboratory assists in providing an authoritative and defensible engineering basis for assessing and solving these problems. Its products support the policies, programs, and regulations of the Environmental Protection Agency, the permitting and other responsibilities of State and local governments and the needs of both large and small businesses in handling their wastes responsibly and economically.

This report describes a completely computerized system for documenting and analyzing hazardous material spill data. The program developed improves upon data collecting and processing so that information can be generated in a form that can be used effectively to prevent and control hazardous material spills.

David G. Stephan, Director
Hazardous Waste Engineering
Research Laboratory

ABSTRACT

The overall objective of this study was to develop a completely computerized system for documenting and analyzing hazardous material spill data. The groundwork for this system was established in a previous program entitled Hazardous Material Spills: A Documentation and Analysis of Historical Data (EPA-600/2-78-066, U.S. Environmental Protection Agency, 1978). The present program improves upon data collection and processing so that information can be generated in a form that can be effectively used to prevent and control hazardous material spills.

The program establishes an open-ended, dual data base system that can produce reports on request and generate statistics on any or all spill incidents that are encoded in computer storage. Two logically linked data sets were established. The first set consists of incident-related data, and the second is made up of material-related data. The previously developed computer codes were modified to accommodate the large number of incidents acquired and the dual data base system. New coding techniques also minimize the potential of multiple entries and greatly increase the amount of information that can be stored. These changes have made the data system more nearly universal and provided a more accessible means of retrieving information than was possible using previous retrieval methods.

This report was submitted in fulfillment of Contract No. 68-03-3017 by Factory Mutual Research Corporation under the sponsorship of the U.S. Environmental Protection Agency. This report covers the period June 30, 1976, to June 30, 1982, and work was completed as of August 15, 1982.

CONTENTS

Foreword iii
Abstract iv
Figures vi
Tables. vi
Acknowledgements. vii

1. Introduction. 1
2. Data Documentation. 3
3. Hazard Determination. 10
4. Data Analysis 15
   Data Manipulation. 15
   Project Findings 19

References. 28
Appendices

A. Coding Manual for Spill Incident Reports. 29
B. Selected Partitions of the Data Set 54

FIGURES

Number		Page
1	Spill documentation report form	4
2	Material file form	8
3	Data set partition	16
4	Distribution of all incidents versus secondary cause	18
5	Frequency of incidents versus type of operation	21
6	Primary cause of incidents	22
7	Material distribution (20 or more spills)	24

TABLES

Number		Page
1	Relative Hazard Index Numbers for Selected Materials	13
2	Materials Involved in 20 Spills or More	23
3	The Ten Most Frequently Spilled Substances	26
4	Material Spills Resulting in Five or More Operator Injuries	27

ACKNOWLEDGMENTS

The authors wish to thank the following persons and organizations outside Factory Mutual Research Corporation for their cooperation and expertise, without which this project could not have been accomplished: U.S. Department of Transportation, U.S. Environmental Protection Agency, Ohio Environmental Protection Agency, U.S. Coast Guard, Commonwealth of Virginia, State of Delaware, Office of Pipeline Safety, Occupational Safety and Health Administration, U.S. Department of Labor, Maryland Water Quality Control, New Jersey Environmental Protection Agency, Connecticut Department of Environmental Protection, Massachusetts Department of Natural Resources and other public and private agencies and organizations who contributed to this project.

Contributions by the following Factory Mutual personnel are gratefully acknowledged by the authors: Louis A. Post for technical editing, Robert L. Haigis for coding the incidents, and David Jeffries, David W. Crouse, and Joan Monia for help in the development of the coding system and for developing the computer programs.

Finally, the authors are grateful to Dr. John E. Brugger of the Hazardous Waste Engineering Research Laboratory for his assistance and cooperation, which made possible the present program.

Section 1

INTRODUCTION

Industrial development throughout the world produces end products and byproducts that are classified as hazardous materials (Public Law 92-500, Section 311 of the Federal Water Pollution Control Act of 1976). During manufacture, storage, transportation, and use, spills can and do occur. These spills initially contaminate only localized terrestrial and aqueous areas. But most of the material spilled, if not recovered, eventually finds its way into the water systems of the nation. More than 50,000 hazardous material spills are estimated to occur each year in the United States, but estimates are extremely nebulous, since many spills are not reported (e.g., those on private land or in remote locations, and those are not readily traceable). Contaminated wash water containing significant amounts of hazardous materials may enter the waterways through storm sewers, surface water runoff, and groundwater percolation. A large number of spills that are not obvious may go undetected for months and are untraceable. All estimates of total frequency and quantity can only be rough estimates at best.

Reported spills have increased in frequency--not necessarily because of increase in the quantity of hazardous materials in use or more carelessness in the handling of these materials, but (it is hoped) because of better training and understanding of the ecological and economic importance of immediate cleanup and recovery that are necessary to prevent their migration through artificial and natural drainage channels and ultimate entrance into the water systems.

Toxic effects may be present immediately or may be delayed until sufficient concentrations are accumulated. Aquatic life is often destroyed by an increase in biochemical oxygen demand (BOD), which depletes the dissolved oxygen essential to support aquatic life.

In view of the efforts to restore the quality of our water resources, the damage caused by a hazardous material spill can be costly both in terms of immediate damage and long-term injurious consequences. Currently, two accepted methods exist for protecting terrestrial areas and waterways from hazardous material spills: 1) preventing the spill from happening, and 2) efficient reporting and cleanup of spills.

Prevention (the first method) is clearly the ideal solution. No

material would be wasted or contaminated, no expensive cleanup would be needed, and no environmental damage would occur. Though 100% effective prevention is the ideal, it is not likely to be attained. At this time, mechanical containment and spill prevention has a long way to go before all spills resulting from equipment and accessory failure are eliminated. Even if mechanical means of containment and spill prevention were totally reliable and cost effective, human error would still cause accidental spills. As long as human beings are involved, this factor will remain significant.

Reporting and cleanup (the second method) has shown much improvement in recent years because of: (1) spill hot lines, (2) rapid deployment teams to contain, remove, and neutralize the spill, and (3) increased awareness and capabilities of industry to cope with its own accidents during processing, transport, and storage phases.

This study developed a completely computerized system for documenting and analyzing hazardous material spill data. The objective was to improve the scope and efficiency of data collection and analysis and to permit practical application of work started under EPA-600/2-78-066 [1]. The previous work was done to obtain a prioritized list of hazardous material spill causes reflecting the quantity and the hazard potential of the material spilled, the number of casualties sustained, and the identity of the operational and geographic areas where the spill occurred. The more recent project collected and coded more detailed data and developed a more comprehensive computer program for analysis purposes. The program improves data collecting and processing so that information can be generated in a form that can be used effectively to prevent and control hazardous material spills.

Section 2

DATA DOCUMENTATION

Approximately 22,500 spill reports were examined during this program. Of those, approximately 5,600 were selected for analysis because of the hazardous nature of the material(s) released. The final data set consisted of spill incidents collected from 17 different sources dating from 1975 through 1979. The bulk of the data came from the U.S. Department of Transportation (DOT), which had documented 4,320 incidents, or 78% of the total. Newspaper accounts represented another 14% (757), and the Ohio EPA contributed approximately 4% (239) of the documented cases. Input from 14 other sources (including private and government organizations), the news media, and one unknown category completed the data set.

To ensure the complete collection of all pertinent information, two forms were developed for transcribing raw data. First of all, a Spill Documentation Reporting form (see Figure 1), with an associated Coding Manual (Appendix A), was developed for recording detailed information concerning each incident. The Spill Documentation form was designed to accept 36 categories of information including provisions for remarks and narrative for those incidents where additional clarification was necessary. Descriptive information was first entered on the sheet; then these data were converted to alpha and numeric computer codes. The coded information was then entered in the boxes provided on the form. Information categories on the form included date, location and time of the incident, weather factors, operational area, hydrological data, cause(s) of incident, operating and emergency equipment involved, protective devices used, notifier, cleanup methods, casualties, spill description, disposal method and cost, material name, quantities spilled and recovered, and the type and material of the container involved.

To allow for space considerations on both the Spill Documentation forms and the associated computer storage records, and to further facilitate the manipulation of the data, several efficient coding techniques were devised.

Several of the computer coding schemes utilized (see Coding Manual, Appendix A) were designed to allow retrieval not only by category but by detail as well. The procedure by which primary cause data are coded can be used to illustrate this technique.

Primary Cause codes can consist of up to three digits. For those incidents where only general information was available, a single digit, left justified, was used to indicate a general category such as container

SPILL DOCUMENTATION

EPA Contract No. 68-03-0317 FM 22542

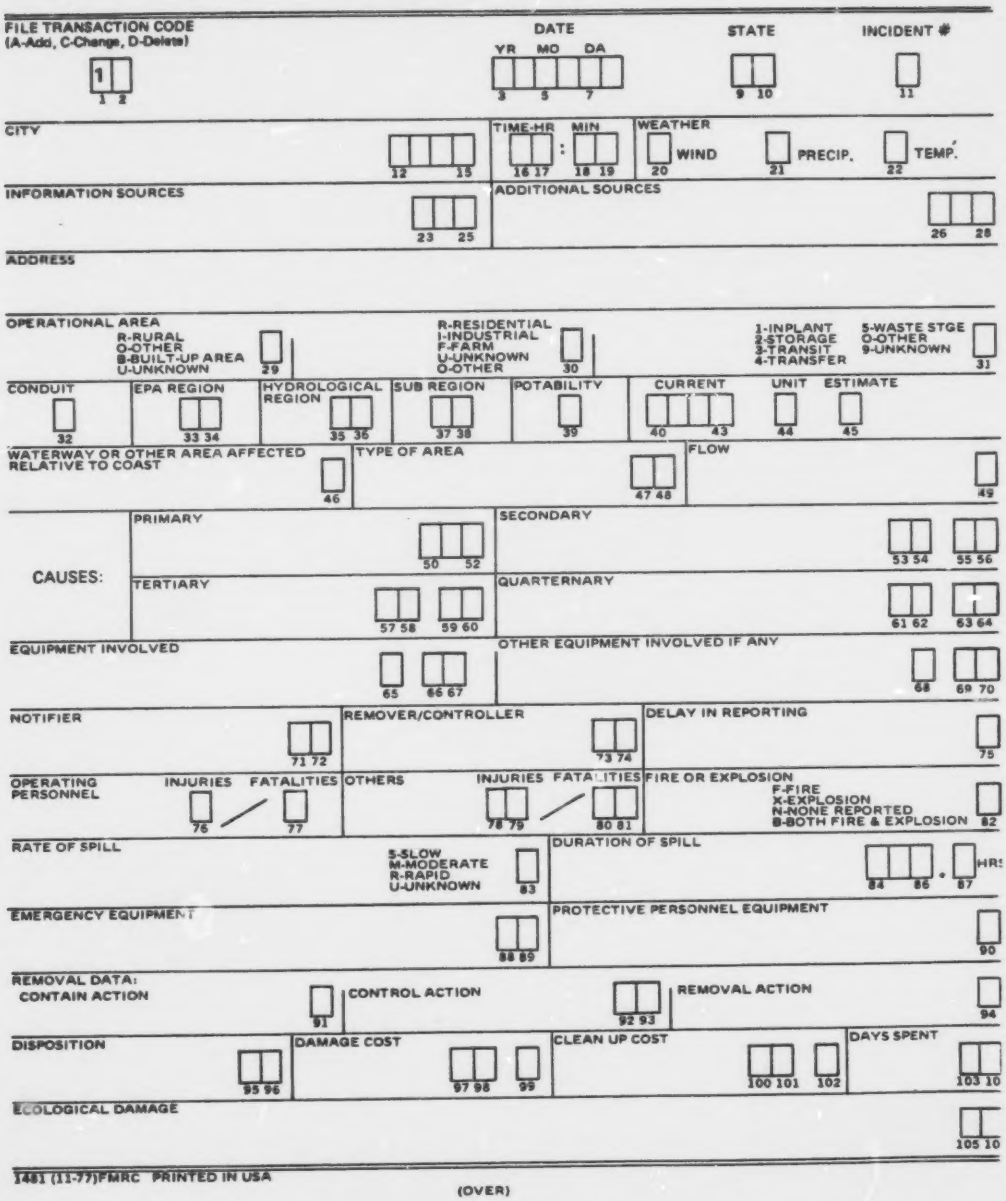


FIGURE 1 SPILL DOCUMENTATION REPORT FORM

MATERIAL SPILLS

2 C (1 2)

DATE — YR MO DA (3 5 7) | STATE (9 10) | INCIDENT # (11)

MATERIAL NAME

1)

MATERIAL CODE (12–19)	QUANTITY SPILLED (20–22)	EXP (23)	UNIT (24)	
CONC. CORR. FACTOR (25 . 26 27)	QUANTITY RECOVERED (28–30)	EXP (31)	UNIT (32)	SPECIFIC GRAVITY CORRECTION FACTOR (33 . 34)
CONTAINER TYPE (35–37)				CONTAINER MATERIAL (38 39)

MATERIAL NAME

2)

MATERIAL CODE (40–47)	QUANTITY SPILLED (48–50)	EXP (51)	UNIT (52)	
CONC. CORR. FACTOR (53 . 54 55)	QUANTITY RECOVERED (56–58)	EXP (59)	UNIT (60)	SPECIFIC GRAVITY CORRECTION FACTOR (61 . 62)
CONTAINER TYPE (63–65)				CONTAINER MATERIAL (66 67)

MATERIAL NAME

3)

MATERIAL CODE (68–75)	QUANTITY SPILLED (76–78)	EXP (79)	UNIT (80)	
CONC. CORR. FACTOR (81 . 82 83)	QUANTITY RECOVERED (84–86)	EXP (87)	UNIT (88)	SPECIFIC GRAVITY CORRECTION FACTOR (89 . 90)
CONTAINER TYPE (91–93)				CONTAINER MATERIAL (94 95)

REMARKS & NARRATIVE

1481 BACK

FIGURE 1 (Continued)

failure, transfer system failure, overflow, etc., which represented the immediate cause of the spill incident. If further detail existed in the incident report, a two-digit code, also left justified, was used to further define the Primary Cause. Two-digit codes were used to indicate causes such as: container failure, tank; container failure, nontank; failure, transfer system; etc. In those cases where sufficient detail exists, a three-digit code was employed to provide even further clarification. Three-digit primary cause codes include: failure of container, tank, transport; and failure of container, tank, storage. When manipulating Primary Cause data fields, partitions of the data set could be accomplished by either one-, two-, or three-digit codes. For example, if a survey of all incidents caused by tank failure were desired, a generalized grouping could be accomplished by inspection of the first digit of the Primary Cause code. If more specifics were needed, inspection of two- or three-digit Primary Cause code classifications could be made. Other information categories which also utilize this technique include:

1) Waterways and Other Area...(Data Entry Nos. 46, 47-48);
2) Equipment Involved (Data Entry Nos. 65,66-67; 68, 69-70);
3) Emergency Equipment (Data Entry Nos. 88, 89); and
4) Control Action (Data Entry Nos. 92, 93).

The quantities of released material were designated using five characters containing three fields of information. The first three characters represent the first three significant figures of the number and the fourth place represents the exponent to the base 10. For example, the value 130 is shown as 130 0; the value of 1986 is given as 199 1; and the number 3,507,800 is coded 351 4. A final character is used to designate the units (liters or kilograms). A similar scheme was employed for cost data with the exceptions that only two significant figures were used and no unit was required since all values were reported in dollars.

A second form was designed in order to keep track of the materials (and their attributes) encountered on the Spill Documentation forms and also to reduce the possibility of duplication in recording incidents which could be caused by the use of material synonyms or misnomers. This form was called a Material File Update form and is shown as Figure 2. This form allows for the transcription of hazardous material name, material code, synonyms and physical data which describes the salient characteristics of the material. Over 600 different materials were collected and cataloged during this study.

Materials listed on this form were identified by alphanumeric code obtained from the Registry of Toxic Effects of Chemical Substances[2] (RTECS). The registry, prepared by the National Institute for Occupational Safety and Health (NIOSH), lists nearly 34,000 different toxic chemicals and over 90,000 synonyms. It also included toxicity information, the Chemical

Abstract Service Registry Number ("CAS")* as well as other data relating to the physical characteristics of substances. This registry assigns a unique number, called a RTECS Accession Number, to each substance listed. Data for the Material File were taken from a computer tape supplied to Factory Mutual Research Corporation (FMRC) by National Institute for Occupational Safety and Health (NIOSH).

Since all the necessary data were supplied on computer tape, setting up the Material File proved to be more straightforward, once an efficient cataloging scheme was agreed upon. The major problem involved the listing of materials and compounds in alphabetical order, a necessary requirement for analyzing the data. Many substances possess lengthy chemical descriptors, some of which utilize the same prefixes. As many as 25 to 30 characters may be required in some instances. Synonyms also share this problem. As a result of this, space requirements and computer alphabetizing routines can quickly become unwieldy. The problem was solved by utilizing RTECS Accession Numbers found on the NIOSH tape for cataloging the substances in the Material File. The Material File eliminated the requirement of entering physical, chemical and toxicological data for the material when storing information from each Spill Documentation report form into the computer. Information available from the Material File includes Wiswasser Line Notation (WLN) Number, CAS Number, preferred material name and up to four synonyms. The following additional physical information was also recorded when available: solubility, specific gravity, DOT class, vapor pressure, melting point, freezing point, physical state at ambient temperature, purity, persistence, unit value, relative hazard, carcinogenic hazard and toxicity information. For the most part, the information contained in the Material File was not used for manipulation or analyses. The exception of this is the relative hazard rating which was used to determine a substance's hazard potential. The methodology used for determining this hazard potential is outlined in Section 3 of this report.

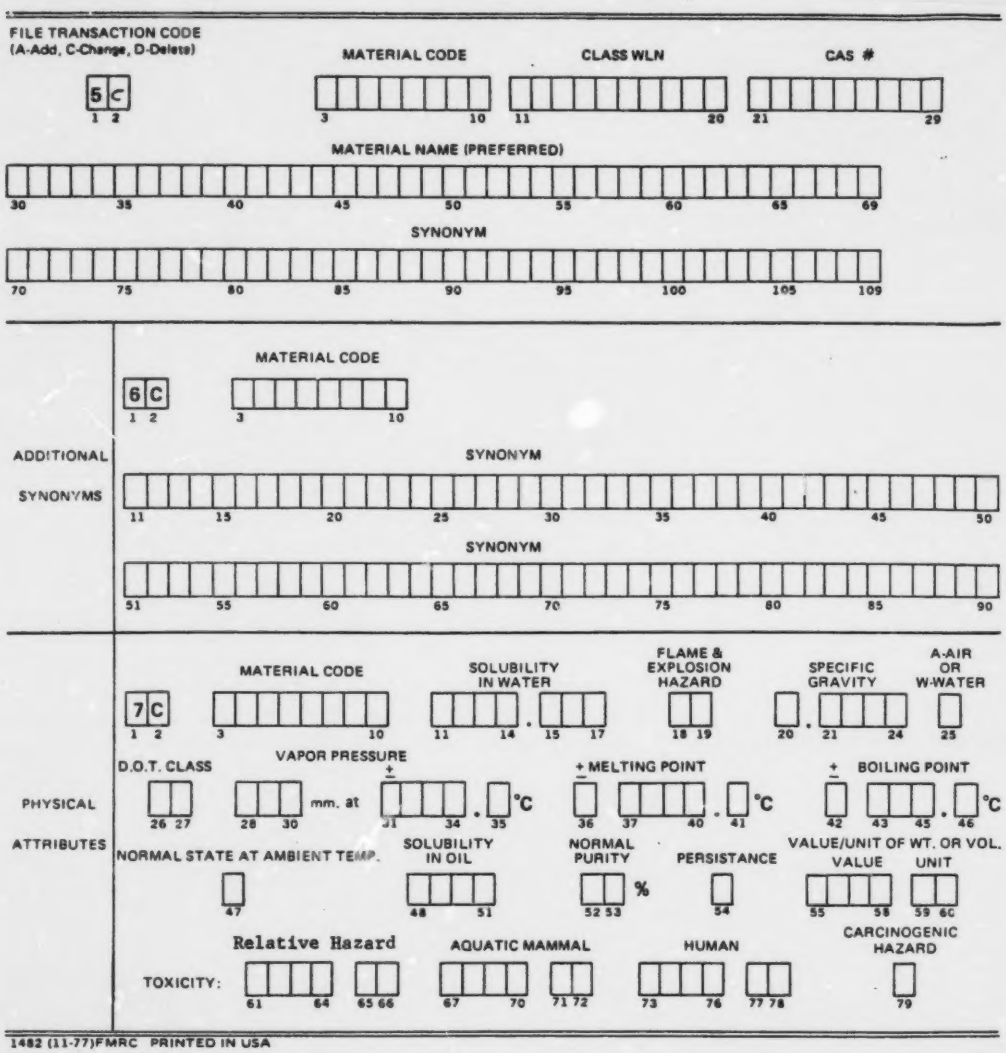
Completed Spill Documentation forms were forwarded to the Factory Mutual System computer center for entry and storage. The data from each form, or each incident, were entered onto magnetic tape via keypunch. This information was later verified by a comparison of the data on magnetic tape and the original documentation form. Once the magnetic tape was verified, the data were then transferred to computer storage disk. The same procedure was followed for the Material File. Computer records used for storage of information and incidents were allocated 258 characters per incident; material descriptions for the Material File were set at 257 characters per material.

Once all incidents were stored on disk, it became necessary to determine whether or not duplication, i.e., multiple reports of a single incident, existed in the data set due to multiple sources of incident data. Since the bulk of the data were obtained from one informatin source, there was a reduced probability of encountering duplicate entries of the same incident.

---

* A numeric designation assigned by the Chemical Abstracts Service of the American Chemical Society which uniquely identifies a chemical compound. This system allows for the positive identification of a substance regardless of the synonyms or naming system used.

MATERIAL FILE UPDATE



1482 (11-77)FMRC PRINTED IN USA

FIGURE 2 MATERIAL FILE FORM

Such duplications are more likely to occur when the data set draws broadly from a variety of information sources. However, precautions were taken to further reduce or eliminate duplications.

Each incident report was uniquely keyed using nine computer code characters, eight of which were actually taken from the Spill Documentation Report Form for that incident. The characters used were the date (coding characters 3-8 from the incident form); state (codes 9-10); and the incident number (code 11). The incident number character was actually assigned to an incident record by the file update program* as the incident went into disk storage. As new records were put onto disk storage, the date and state computer codes were checked against those records already on file. If no record with the identical date or state codes was found, the number 1 was placed in space 11 of the new record and it was added to the data set. However, if an identical record was encountered, the new incident record would have its incident number incremented by 1 before being placed in storage. The incident records were added and scanned sequentially; therefore, it was only necessary to search for the most recently added incident with matching codes, then determine its incident number and increment it by 1. The incident number was allocated only one space on the record and therefore, could only have a maximum value of nine. It was felt that it would be highly unlikely that 10 or more separate incidents would be reported in the same state on the same date. If, during the process of incrementing the data set, such a situation did occur, all the incidents in question would be automatically printed out for a manual inspection. This problem did not arise while collecting data for this study. After the data set was finalized, those incidents which had incident numbers greater than 1 were manually scanned to determine if duplications existed.

Eliminating duplicates in the Materials File was much less complicated, requiring only a comparison of the RTECS Accession Number of the new material record to those in the existing data file. If an identical number was found, the new material record was not added to the data set.

---

* Programmed routine for adding, changing or deleting incident records (from the Spill Documentation Form) to or from the data set.

Section 3

HAZARD DETERMINATION

To provide some measure of the dangers associated with the release of the materials encountered in this study, a quantitative method for determining spill hazard based on the inherent hazards of various substances was developed. To accomplish this, a hazard potential rating was used. The hazard potential of a spill is a comparative figure which is computed using the quantity of the hazardous material spilled and a relative hazard rating of that material. Using this figure, spills of different quantities and materials can be effectively rated by severity. This provides a much more realistic hazard assessment than would an independent evaluation of either of these variables. It is entirely probable that there may be a much greater danger to the environment or to life from a large spill of low toxicity than from a small spill of high toxicity. As an exaggerated example, a tank car of citric acid, which has a relatively low toxicity rating per liter, would probably present a greater danger to life and the environment than the release of one liter of sulfuric acid which has a high toxicity rating per liter.

In a previous EPA hazardous material spill study [1], a matrix code was employed which utilized spill quantity ranges and a relative hazard level which were combined to yield a hazard potential code. However, when this technique was used, the actual quantity of the spill was lost when the calculations were made. The method used in this study was developed in order to insure that the spill quantity was taken into consideration when determining hazard potential. Each spill incident has its hazard potential calculated using information regarding the quantity of material spilled, available from the Incident File, and relative toxicity data, available from the Material File. The following idealized formula was used for computing hazard potentials:

$$HP = \frac{Q\ C_1\ C_2}{K} + RL$$

where HP = Hazard potential;
Q = Quantity spilled in kilograms or liters;
C_1 = Concentration correction factor;
C_2 = Specific gravity;
K = Water volume constant (use 1.03);[1]
and
RL = Relative hazard index number (developed from toxicity data).

The calculation is designed to compute a hazard potential for substances reported in kilograms. This hazard potential takes into consideration two basic factors: 1) the quantity (mass) of material released; and 2) its toxicity per unit mass. When using a volumetric measure, such as liters, the specific gravity, C_2, or relative density, of the material must be included. When the material is in solution, its percent concentration of that solution becomes the correction factor C_1*. Unfortunately, the specific gravity parameter was missing for many of the materials in the Material File and percent concentration for solutions was virtually nonexistent. For the purposed of this study, K, the water volume constant, has been taken as equal to 1.03[1]. The Relative Hazard Index number is based upon available toxicity data and is, in general, a measure of a substance's relative toxicity. The comparison of the relative hazard of diverse materials, which exist in different physical states and are administered by two dozen different methods to a score of different species thereby producing a multitude of results, has been reduced in complexity through the use of Relative Hazard Index numbers. These index numbers are assigned to each of the compounds in the Material File and were developed from known specific toxicity data and other physical information.

The toxicity effects of a substance vary with the mode of exposure and with the tolerance of the test subject. No clear-cut relationship of the toxicity of substances exists between different species and there does not seem to be a correlation of effects when routes of exposures are varied. One material may be fatally toxic when taken intravenously and be harmless if ingested orally. Another could be harmless when in physical contact with the subject but be extremely toxic when its vapors are inhaled.

The Relative Hazard Index rating of a substance, as employed in this study, is a value derived from actual experimental work with terrestrial and aquatic life. An attempt is made to correlate the values into an index number which can be used, with a measure of confidence, in comparing the toxicity of the various materials.

After review of the available toxicological data it was concluded that studies involving laboratory rats were more widespread than those using human or other animals and aquatic life. For this reason, the toxic effect of various substances when ingested (orally) by laboratory rats was selected as the basis for developing the Relative Hazard Index numbers. A calculated dosage in milligrams per kilogram of body weight administered orally that is expected to cause the death of 50% of a selected population of laboratory rats has been determined for 56% of the nearly 600 identified spilled materials in this study. This value is identified as "oral-rat LD_{50}."

The following ranges qualify the LD_{50} dosages: [3]

0 to 500 mg/kilogram	Highly toxic
500 to 7500 mg/kilogram	Moderately toxic
7500 to 15000 mg/kilogram	Low toxicity
Above 15000 mg/kilogram	No toxicity

* For a 60% solution, $C_1 = 0.6$; a 40% solution yields $C_1 = 0.4$, etc.

By using the actual dosage number where applicable and by assigning Relative Hazard Index Numbers in the above ranges from descriptions of the hazards found for other substances, a Relative Hazard Index number may be obtained for nearly all the substances in the Material File. Wherever necessary, the assignment of Relative Hazard Index numbers has been accomplished through the use of equalization factors which were arrived at after inspection of available toxicity data. Of the spilled materials encountered in this study, 221 compounds have been arbitrarily assigned Relative Hazard Index numbers depending on their class of toxicity. This assignment of index numbers was necessary in cases where the physical state of a material or its route of exposure differed from the bases selected for this study (i.e., the oral ingestion of liquids and solids). Relative Hazard Index numbers also had to be assigned for those materials which had toxicity data based upon test subjects other than laboratory rats. As an example of this arbitrary assignment procedure, a group of substances for which the oral-rat LD_{50} dosage averaged 40 mg/kilogram of body weight were determined to average 180 ppm for lethal concentration via inhalation. This indicated a factor of approximately 4.5 needed to equalize the two toxicity dosages and arrive at a relative toxicity value. Therefore, in cases for this group of compounds, where inhalation toxicity data were available and oral dosages not given, this factor was used to approximate the oral-rat LD_{50} number. Another example involves the case where oral-human LD_{50} figures were given in place of those for laboratory rats. It was found that in some cases the oral-rat LD_{50} corresponded to the oral-human LD_{50} at an approximate ratio of 60:1. Thus, this ratio was used in making the determinations wherever applicable. In all cases, the assigned Relative Hazard Index numbers were designed to fit the toxicity ranges previously selected. For example, a highly poisonous gas would be assigned a number between 0 and 500, while a substance which is a mild skin irritant would have a Relative Hazard Index number between 7,500 and 25,000. The Relative Hazard Index Number is incorporated in the Material File. Relative Hazard Index Numbers for several materials are shown in Table 1.

Many of the hazardous materials are vapors, dusts, or gases for which a Relative Hazard value is empirically derived. This is done by comparing the Threshold Limit Value of the gas and arriving at a related value. The Threshold Limit Value (TLV) is the allowable maximum exposure for eight hours a day, five days a week, for an indefinite period. Anything above this TLV becomes a threat to health and concentrations well above may threaten life. By using the descriptions of toxicity of various gases, mists, fumes, dusts and vapors, a Relative Hazard number is empirically assigned for each material.

The following table [3] shows the TLV for various toxicities:

Toxicity	ppm	mg/m^3	mppcf
Slight	over 500	over 0.5	50
Moderate	101-500	0.101-0.5	20
High	0-100	0-.01	5

Conversion from mg/m^3 (milligrams per cubic meter) to ppm (parts

TABLE 1. Relative Hazard Index Numbers for Selected Materials

Material*	RTECS Number†	Relative Hazard Index Number
Sulfuric Acid	WS560000	2140
Hydrochloric Acid	MW402500	1000
Sodium Hydroxide	WB490000	500
Phosphoric Acid	TB630000	1530
Nitric Acid	QU577500	600
Ammonia	BO037500	350
Resin	VG711000	20000
Methanol	PC140000	13000
Ethyl Alcohol	KQ630000	14000
Ammonium Nitrate	BR905000	5000
Acetic Acid	AF122500	3310
Potassium Hydroxide	TT210000	365
Toluene	XS525000	5000
Ammonium Hydroxide	BQ962500	350
Acetone	AL315000	9750
Chlorine	FO210000	150

* Preferred Name
† From NIOSH Handbook

per million):

$$ppm = \frac{mg/m^3 \times 24.45}{\text{molecular weight of compound}}$$

For gases and vapors, the TLV is usually expressed in ppm;

For fumes and mists, the TLV is usually expressed in mg/m^3;

For some dusts, the TLV is expressed in mppcf (million particles per cubic foot).

Relative Hazard Index Values are not precise, but they do present a relative value which can be used until a more accurate figure is found, at which time the material file can be easily updated.

Section 4

DATA ANALYSIS

DATA MANIPULATION

Manipulation of the finalized data set was accomplished using a COBOL program augmented by several assembly language subroutines. All data processing was performed on an IBM 370/158 computer.

The analysis program, consisting of more than 2,000 statements, was capable of partitioning the data set by any one, or a combination, of up to three data fields. For example, partitions could be obtained for incidents occurring on a certain date; or incidents occurring on a certain date in a given state; or even incidents occurring on a certain date in a given state which involved a specified material. Further, the same program could be used to produce histograms, although these plots can accommodate just two parameters.

Figure 3 provides an example of a partition of the data set. It is a composite, utilizing the first and last entries of a three page computer run in which the data are partitioned by Operator Injuries (X-parameter) and Spill Material (Y-parameter). The total number of incidents which had information in the selected X and Y categories is presented at the top of the page. In the example there were 316 incidents. The X-parameter has nine categories, enumerated across the top row of the grid, which are defined in the legend at the bottom. In this case the codes equal the number of injuries, from 1 to 9. Categories for the Y-parameters, listed descending vertically, are also defined at the bottom. Data are presented in a grid array with a maximum of three numbers per block. Within each block, the uppermost number (e.g., 64 for the first block in the figure) represents the total number of incidents which are characterized by both the X- and Y-parameters. That is, there were 64 spills of sulfuric in which one operator injury occurred. The middle number in each block represents the actual percentage of the total X-parameter summation for the given Y-parameter. In the figure, this middle number provides the information that 81% of all the sulfuric acid (Key Code WS560000) spills counted resulted in one operator injury (i.e., 64 out of a total 79 incidents). The bottom figure in the block provides the same type of percentage for a columnar summation. It yields the information that 33% of spills which resulted in a single operator injury were sulfuric acid releases (64 incidents out of a total 194 incidents). The percentages at the bottom and at the far right of the grid represent columnar and row summation percentages respectively. The numbers at these locations in the example show that sulfuric acid spills represented 25% of all incidents involving an operator injury and that single-injury

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 316. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= OP. PERSONNEL INJURIES

Y= SPILL MATERIAL (PRIMARY)

\X Y\	01	02	03	04	05	06	07	08	09	TOT	%
WS560000	0064 081 033	0008 010 018	0004 005 018		0001 001 017		0001 001 011		0001 001 005	0079	25.00
MW402500	0013 059 007	0003 014 007	0003 014 014		0001 005 017			0001 005 013	0001 005 005	0022	6.96
KX455000	0001 050 001								0001 050 005	0002	0.63
OA550000	0001 100 001									0001	0.32
TOTAL	0194	0045	0022	0006	0006	0006	0009	0008	0020		
%	061	014	007	002	002	002	003	003	006		

KEY OF CODES FOR OP. PERSONNEL INJURIES

1	0.1000E+01
2	0.2000E+01
3	0.3000E+01
4	0.4000E+01
5	0.5000E+01
6	0.6000E+01
7	0.7000E+01
8	0.8000E+01
9	0.9000E+01

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

WS560000	SULFURIC ACID
MW402500	HYDROCHLORIC ACID
KX455000	ETHYLENE TRICHLORO
OA550000	KEROSENE

FIGURE 3 DATA SET PARTITION

incidents represent 61% of the total incidents surveyed in this computer run. A Z-parameter was not used in the example printout; if it had been, a description of the parameter employed would have been placed adjacent to the letter Z at the top of the page.

Histograms were also produced by the analysis program. A typical example is shown in Figure 4 which plots the number of incidents versus Basic Secondary Cause. Cause categories are keyed at the bottom of the page. Computer printouts and histograms used in establishing recommendations and conclusions to this report are included as appendices (Appendices B and C) either attached to this document or as a second volume.

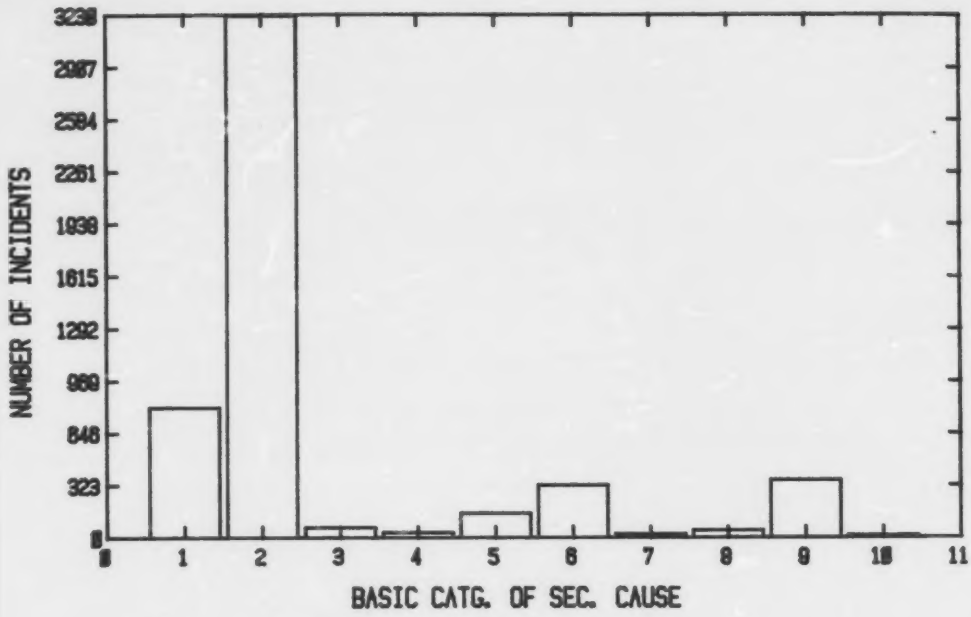
As expected, the manipulation of the data set uncovered a percentage of miscoded or blank data elements in the incident report records. There is no time-effective method for correcting every miscode since every character (258 per incident; 257 per material) of every record (5600 incidents; 600 materials) would have to be examined. An error routine was incorporated into the analysis program which, in case of a blank or unrecognizable character (miscode), would print out the incident record and not include it in the statistics being generated.

Attempts were made to determine the percentage of incidents in which data were either not included or unknown for those distributions of interest. Partitions and frequency distributions of interest included:

1) Spill size distributions (volume and mass);
2) Material distributions (number and size of spills); and
3) Hazard potential distributions.

Spill Size Distributions

A spill size distribution for all materials was considered to be of questionable value, although the capability for generating such a distribution existed. What was determined to be of greater interest was the distribution of spill quantities within a given material category. To accomplish this, all spills of a given material were examined. The difference between the largest and smallest of these taken, was then divided into ten (or twenty) equal quantity ranges. A frequency distribution of the material for the computed spill quantity ranges was then determined. Spill size distributions for 518 materials are provided in Appendix C-2. Because of the lack of specific gravity parameters, two spill size distributions were computed for the majority of the 518 materials. During the data documentation phase of this program it was observed that one spill of a given material might be reported in mass units (grams, kilograms, pounds, etc.), while another spill of the same material would be reported in volumetric units (gallons, liters, etc.,). The file update program converted all quantities to System International (SI) units, but the conversion of volume to mass could not be accomplished without the specific gravity parameters. Unfortunately, these parameters were not available for the bulk of the substances in the Material File. For this reason, the majority of the materials listed have two spill size distributions. The first is for those spills which were reported in



FOR ALL PARAMETERS

KEY OF CODES FOR BASIC CATG. OF SEC. CAUSE

01	01	MECHANICAL FAILURE
02	02	STRUCTURAL FAILURE
03	03	CHEMICAL REACTION
04	04	NATURAL HAZARD
05	05	MATERIAL HANDLING
06	06	TRANSPORTATION
07	07	VANDALISM
08	08	INTENTIONAL DISCHARGE
09	09	PERSONNEL PROCEDURAL ERROR
10	99	OTHER

FIGURE 4 DISTRIBUTION OF ALL INCIDENTS VERSUS SECONDARY CAUSE

mass units; the second is for those recorded in volumetric units. Information provided with each of these distributions includes the largest, smallest, and average spill size; the number of spills involved; and the total amount of material released. Hazard potential computations are provided for the set of spills with quantities reported in mass units. These computations include the largest, smallest, average, and total hazard potential. Those incident records in which the material, quantity, or quantity units (liter or kilogram) were unknown were not included in these distributions.

Material Distribution

The frequency at which various materials were spilled was also of significant interest. Unlike spill size distributions, the only factor which affects these distributions is material. One additional consideration is whether or not incidents were single- or multiple-material spill incidents. The data set could be partitioned by primary material involved, secondary material involved, tertiary material involved or any combination thereof. Frequency distributions which were determined to be of immediate interest were 1) the frequency distribution in which the material was the primary constituent of the spill and 2) the frequency distribution in which a material is listed as a primary, secondary or tertiary component. (See Appendix C.) Those incidents in which a material was not encoded in the incident report are, of course, eliminated from these distributions. However, material frequency distributions did include those incidents which listed unknown spill quantity or quantity units.

Hazard Potential Distributions

Computation of hazard potentials required knowledge of the material, its toxicity rating (Relative Hazard Index number), and gravimetric spill quantity. If spill quantity were a volumetric quantity, knowledge of the specific gravity of the spilled material was necessary for this computation. For all incidents involving the same material, the largest hazard potential (largest spill), the smallest hazard potential (smallest spill) and the average hazard potential were computed. In cases where vital information such as spill quantity, toxicity, etc., were missing, such incidents were not included in the distributions. In addition, there were cases in which spill quantity was a volumetric measure and the material's specific gravity was unavailable. For these reasons, the spills for a given material were separated into two categories; those recorded by volume (liters) and those recorded by mass (kilograms). Using this technique at least those spills which were reported by mass could be manipulated and assigned hazard potential ratings.

All other data elements in the incident report records were subjected to counting routines only; no manipulation or computer algorithms were required for their analysis.

PROJECT FINDINGS

The finalized data set consisted of 5,615 separate spill incidents and

518 catalogued materials. An additional 84 materials which could not be categorized using the NIOSH Registry were present in the Spill Incident File but do not have entries in the Materials file. These were substances which were listed on the actual reports in trade names or generic terms such as insecticide, chemical or oil.

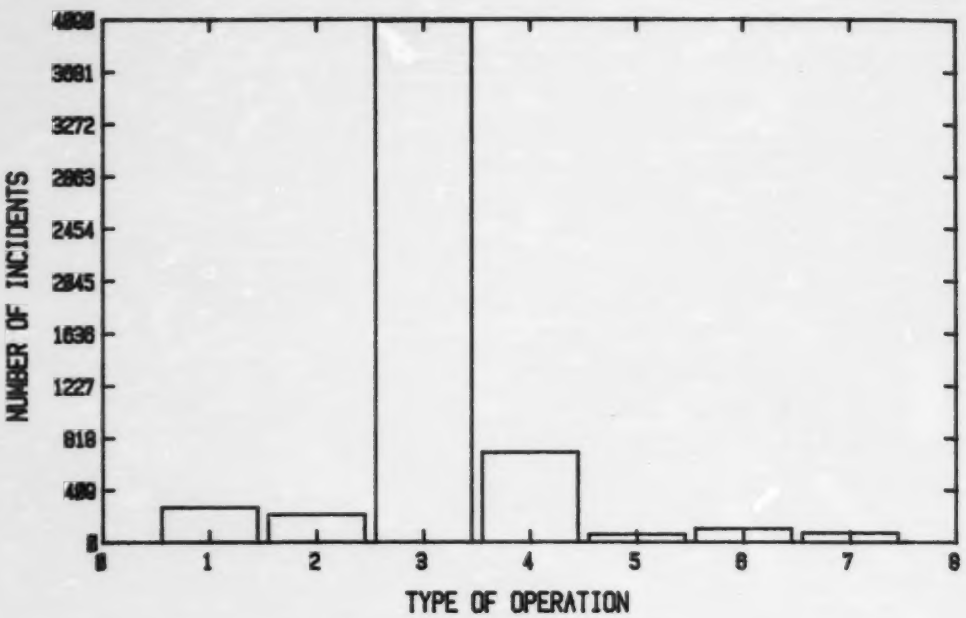
The bulk of the incidents recorded occurred while the material was in transit. This was not unexpected, since the majority of incidents were taken from data supplied by the Department of Transportation. Figure 5 provides the distribution of incidents by type of operation.† Approximately 73%, or 4,080, of the incidents involved spills of materials in transit. The next largest segment were hose incidents occurring during transfer operations. This accounted for an additional 13% or 704 incidents.

Virtually all incidents (See Figure 6) were the result of some form of container failure. The generalized nature of the information given for most of the incidents precluded further clarification of primary cause categories. Structural and mechanical failures (See Figure 5) were responsible for precipitating most of the incidents recorded (3,225 and 307 incidents respectively). Transportation accidents were responsible for 324 incidents and personnel procedural errors accounted for 354 spills. Specific equipment were listed for only 1,815 incidents. Trailer trucks (non-tank) were involved in 622 of these incidents. Other equipment included fork lifts (143 incidents) and cranes (109 incidents). Large engine conveyances, a general category which includes trucks, planes and ships, were involved in 353 incidents.

Because of the time required and the complexity involved in generating tables for all the materials found in the data set, a subset of 70 materials was initially selected for analysis. Factors which influenced the selection of materials for this subset included spill frequency, relative hazard, or the general recognition of the substance as being one which is transported on a routine basis. Appendix B-2 lists these 70 materials and their frequency distribution as primary, secondary and tertiary spill components. This subset was narrowed down even further by the selection of those materials which had the highest spill frequencies. Materials involved in 20 or more spill incidents are shown in Table 2. A graph of this frequency distribution is presented as Figure 7. Inspection of the table shows that only a small number of multi-material spill incidents were included in the data set. In most cases, the material listed was the only material involved. Another interesting observation is that several of the more hazardous materials, like phosphoric acid, ammonia, and chlorine have a significant percentage of their spill reports filed without the spill quantity specified.

In order to obtain some measure of the actual hazards associated with the materials encounted in this study, two computations were made. First, the hazard potentials for the ten most frequently spilled substances were calculated. Next, those materials which were responsible for at least five operator injuries were extracted from the data set.

†Appendix B-1 provides the computer printout of this and other distributions.

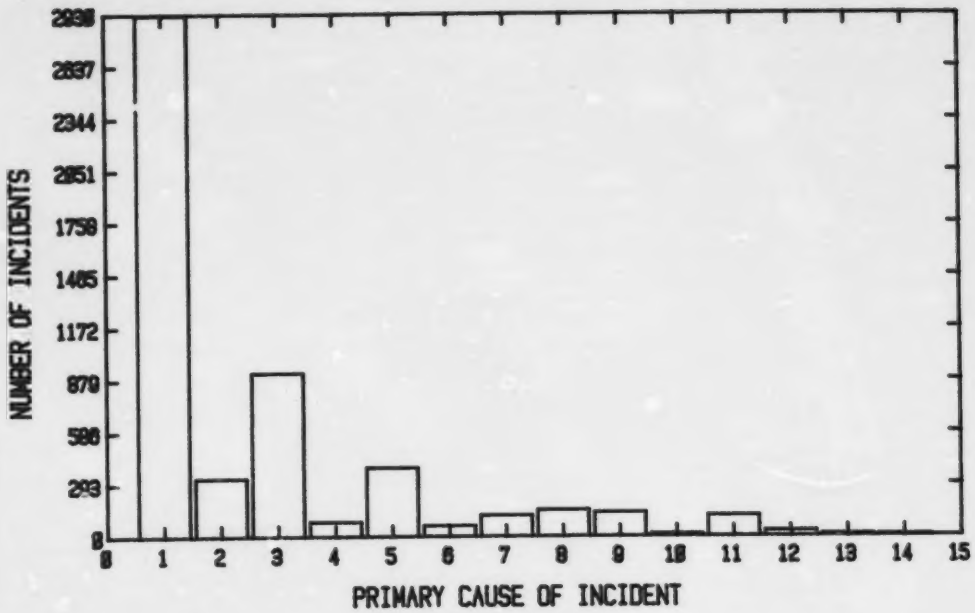


FOR ALL PARAMETERS

KEY OF CODES FOR TYPE OF OPERATION

01	1	IN-PLANT PROCESS
02	2	STORAGE
03	3	TRANSIT
04	4	TRANSFER
05	5	WASTE STORAGE
06	9	UNKNOWN
07	0	OTHER

FIGURE 5 FREQUENCY OF INCIDENTS VERSUS TYPE OF OPERATION



FOR ALL PARAMETERS

KEY OF CODES FOR PRIMARY CAUSE OF INCIDENT

01	100	FAILURE OF CONTAINER
02	110	FAILURE OF CONTAINER, TANK
03	111	FAILURE OF CONTAINER, TANK, TRANS.
04	112	FAILURE OF CONTAINER, TANK, STORAGE
05	120	FAILURE NON-TANK
06	200	TRANSFER SYSTEMS FAILURE
07	210	FAILURE (PIPE, VALVING, RIGID SYS.)
08	220	FAILURE (HOSE, COUPLING, NOZZLE)
09	300	OVERFLOW
10	400	NATURAL PHENOMENA
11	500	INTENTIONAL DISCHARGE
12	600	OVERTURN
13	700	FIRE
14	800	VALVE OPENED

FIGURE 6 PRIMARY CAUSE OF INCIDENTS

TABLE 2. MATERIALS INVOLVED IN 20 SPILLS OR MORE

Material	All	Number of Incidents as Primary Material	Number of Incidents Having Quantity Recorded	Percentage of Incidents Having Quantity Recorded
Sulfuric Acid	560	553	439	78
Hydrochloric Acid	431	424	358	83
Phosphoric Acid	240	239	114	48
Ammonia	211	206	83	39
Sodium Hydroxide	161	159	134	83
Nitric Acid	140	136	115	82
Chlorine	102	100	23	22
Methanol	98	93	75	76
Resin	88	88	82	93
Ethyl Alcohol	73	73	66	90
Ammonium Nitrate	55	55	46	84
Acetic Acid	50	49	43	86
Phenol	49	43	30	61
Toluene	47	43	36	76
Hydrogen Peroxide	43	42	31	72
Potassium Hydroxide	41	40	37	90
Styrene	38	37	20	53
Polychlorinated Biphenyls	36	36	26	72
Ammonium Hydroxide	34	34	28	82
Formaldehyde	34	33	27	79
Xylene	34	33	24	70
Acetone	33	32	26	79
Potassium Hyperchlorite	32	32	30	94
Hydrofluoric Acid	28	28	22	78
Isopropyl Alcohol	28	27	25	89
Benzene, Diisocyanato Methyl	26	26	23	88
Acrylonitrile	25	23	21	84
Butanone	23	23	16	70
Acrylic Acid Ethyl Ester	20	19	10	50

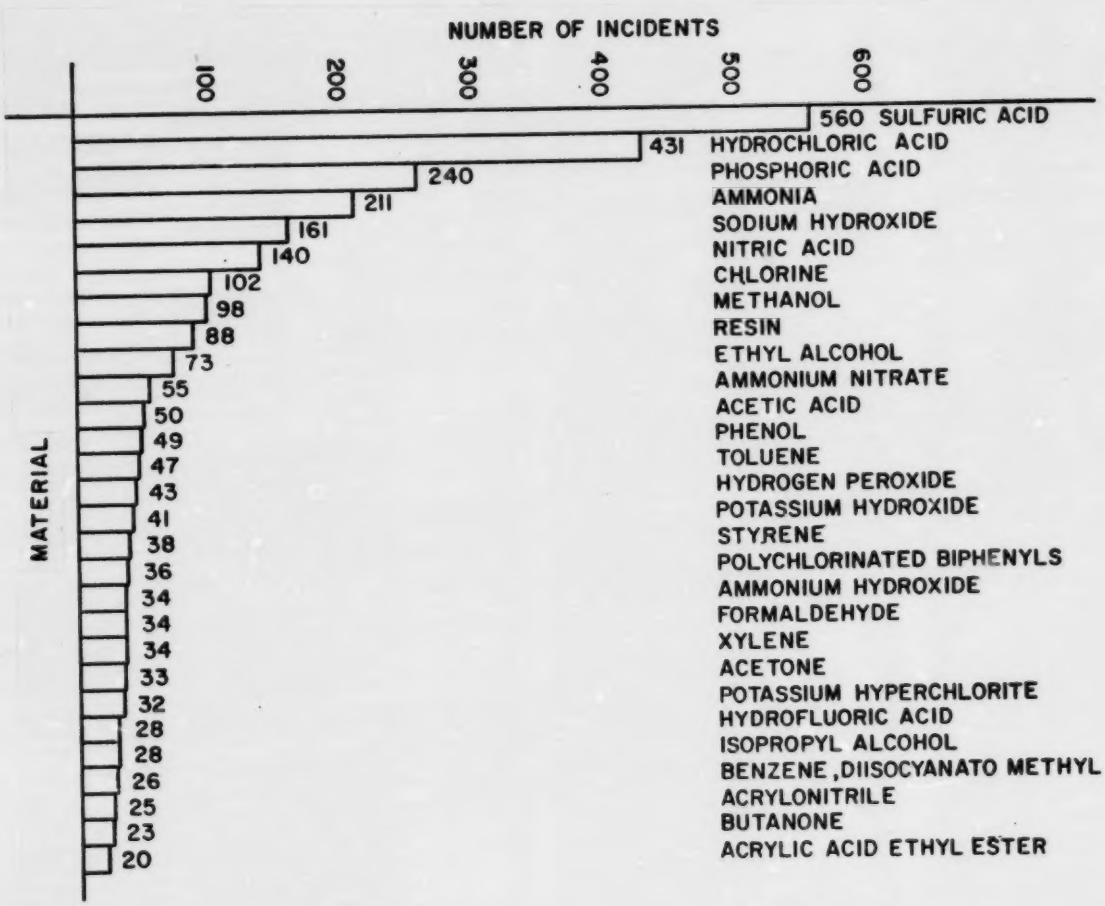


FIGURE 7 MATERIAL DISTRIBUTION (20 OR MORE SPILLS)

Volumetric (liter) spill data for the ten most frequently spilled substances were first converted to mass quantities then added to the data already recorded in mass units. Hazard potentials were calculated for the total amount, average spill and largest spill of each of the materials (see Table 3). At first inspection it appears that spills of hydrochloric acid and sodium hydroxide (caustic soda) are significantly more hazardous than those involving other substances, including the more frequently spilled sulfuric acid. However, when the value of the largest spill of each material is excluded from the calculations, the hazard potentials become considerably more uniform. The exclusion of the single largest values may be a valid approach since it is possible that errors in reporting or coding of quantities from the source onto the Spill Documentation forms could have occurred.

Operator injury data show interesting trends especially when presented on a per-incident basis (Table 4). Of the ten most frequently spilled substances, chlorine, by far, emerged as the one most potentially hazardous to operators. Other substances, such as ethylene chloro, benzene nitro, and hydrogen sulfide also appear to be extremely dangerous, However, the relatively small number of incidents documented for these materials makes any valid judgments impossible.

TABLE 3. THE TEN MOST FREQUENTLY SPILLED SUBSTANCES

Material	No. of Spill Reports[1]	Quantity Spilled[1] Total (Kilograms)	Average[3] (Kilograms)	Largest (Kilograms)	Total	Average[3]	Largest
Sulfuric Acid	439	4,887,800	11,133 (7,438)	1,630,000	2,217	5 (3)	739
Hydrochloric Acid	358	14,176,400	39,599 (1,916)	13,492,200	13,763	38 (2)	13,099
Phosphoric Acid	114	538,328	4,722 (3,961)	90,700	342	3 (2)	58
Ammonia	83	162,706	1,960 (1,360)	51,200	451	5 (4)	142
Sodium Hydroxide	134	1,553,960	11,597 (2,646)	1,202,040	3,017	22 (5)	2,334
Nitric Acid	115	88,888	773 (650)	14,780	144	1 (1)	24
Chlorine	23	7,562	329 (230)	2,490	49	2 (1)	16
Methanol	75	97,335	1,298 (107)	89,417	7	0 (0)	7
Acetic Acid	43	215,812	5,019 (3,193)	81,717	6	1 (1)	24
Resin[2]	7	173 Kg	24 (13)	96	0	0 (0)	0
	75	5,260 L	70 (58)	953			
Ethyl Alcohol	66	3,299,278	49,989 (25,500)	1,641,744	229	3 (2)	114

1 Those spill incidents where quantities are known or approximated.
2 Quantities reported in liters and kilograms; specific gravity of material not in data base.
3 Value in parentheses reflect computation of averages which exclude the single largest spill.

TABLE 4. MATERIAL SPILLS RESULTING IN FIVE OR MORE OPERATOR INJURIES

Material	Number of Incidents	Operator Injury Incidents	Number of Injuries	Injury Incidents Per 100 Total Incidents[2]	Injuries Per 100 Total Incidents[3]
Chlorine*	102	37	150	36	147
Sulfuric Acid*	560	79	113	14	20
Ammonia*	211	33	107	16	51
Hydrochloric Acid*	431	22	50	5	12
Sodium Hydroxide*	161	23	43	14	27
Nitric Acid*	140	14	41	10	29
Phosphoric Acid*	240	15	29	6	12
Ethylene Chloro	9	4	18	44	200
Pyridine	12	2	17	17	142
Petroleum Spirits	18	4	14	22	78
Hydrogen Sulfide	14	4	13	28	93
Hydrogen Peroxide	43	5	11	12	26
Ammonium Hydroxide	34	2	10	6	29
Phosphoryl Chloride	11	1	9	9	82
Tin Chloride	10	1	9	10	90
Formaldehyde	34	4	8	12	24
Hydrofluoric Acid	28	5	6	18	21
Acetic Acid*	50	4	5	8	10
Benzene Nitro	11	4	5	36	45
Toluene	47	3	5	6	11

* One of the ten most frequently spilled substances.

[1] All incidents which involved the material indicated.
[2] Ratio of columns II and I times 100
[3] Ratio of columns III and I times 100

REFERENCES

1. Buckley, J.L. and Wiener, S.A., "Hazardous Material Spills: A Documentation and Analysis of Historical Data," EPA Report No. 600/2-78-066, FMRC J.I. No. 22405, April 1978. 232 pp.

2. National Institute of Occupational Safety and Health, Registry of Toxic Effects of Chemical Substances, 1978 Edition, R.J. Lewis, Sr. Editor, USHEW, January, 1979. 1310 pp.

3. Durham, W.F., "Toxicology," Dangerous Properties of Industrial Materials, Fifth Edition, N.I. Sax, Editor, Van Nostrand Reinhold Company, 1979. pp. 271-280.

BEGIN FIRST LINE OF TEXT HERE
CENTER OF PAGE
TOP OF IMAGE AREA
DROPPED HEAD: BEGIN SECTIONS HERE

APPENDIX A

CODING MANUAL FOR SPILL INCIDENT REPORTS

SPILL INCIDENT REPORT
EPA CONTRACT NO. 68-03-0317
FMRC Serial No. 22542
SPILL DOCUMENTATION
Use Form 1481 (11/77) FMRC

Data Entry No.

1 — **Register Number** - Hard Coded: 1

2 — **File Transaction Code** A - Add, C - Changes, D - Delete

Date of Incident

3 - 8 — This is the date on which the incident occurred. This data element is in the major (leftmost) portion of the key to the incident.

Its format is:

YY MM DD

where YY stands for year
MM " " month
DD " " day

State Code

9 - 10 — This is an alphabetic code for state as given by the National Bureau of Standards (NBS) publication FIPS PUB 5-1.

Name	Abbrev.	Name	Abbrev.	Name	Abbrev.
Alabama	AL	Kentucky	KY	North Dakota	ND
Alaska	AK	Louisiana	LA	Ohio	OH
Arizona	AZ	Maine	ME	Oklahoma	OK
Arkansas	AR	Maryland	MD	Oregon	OR
California	CA	Massachusetts	MA	Pennsylvania	PA
Colorado	CO	Michigan	MI	Rhode Island	RI
Connecticut	CT	Minnesota	MN	South Carolina	SC
Delaware	DE	Mississippi	MS	South Dakota	SD
Dist. of Col.	DC	Missouri	MO	Tennessee	TN
Florida	FL	Montana	MT	Texas	TX
Georgia	GA	Nebraska	NE	Utah	UT
Hawaii	HI	Nevada	NV	Vermont	VT
Idaho	ID	New Hampshire	NH	Virginia	VA
Illinois	IL	New Jersey	NJ	Washington	WA
Indiana	IN	New Mexico	NM	West Virginia	WV
Iowa	IA	New York	NY	Wisconsin	WI
Kansas	KS	North Carolina	NC	Wyoming	WY

BEGIN LAST LINE OF TEXT
3/8"
BOTTOM OF IMAGE AREA: OUTSIDE DIMENSION FOR TABLES AND ILLUSTRATIONS

EPA Form 2350-4 (4-80)
(PREVIOUSLY CIN, EPA FORM 287)
TYPING GUIDE SHEET

Information Sources

23-24-25 (26-27-28) This is a code to reflect the source of the report. The code is hierarchical with the first character representing:

23	Type of Source	Code
	Federal Government	A
	State Governmental Agency	B
	Local Governmental Agency	C
	International Governmental Agency	D
	Private Sector-Business	E
	Private Sector-Educational	F
	Private Sector-News Publication	G
	Personal Contract	H
	Other	Z

There are three source fields available. The second and third digits are assigned to Name of Reporting Source Code which is assigned in ascending sequence from 01 to 98. The code 99 is reserved for unknown.

The codes presently assigned are:

23-24-25 (26-27-28)

A01	U.S. Dept. of Transportation	A06	U.S. Dept. of Labor
A02	U.S. Coast Guard	A07	ERDA
A03	U.S. EPA	A08	U.S. Geological Survey
A04	Office of Pipeline Safety	A09	U.S. Dept. of Commerce
A05	OSHA	A10	NFPCA (Nat'l Fire Prot. Control Admin.
B01	Mass. Dept. of Nat'l Resources	B05	Ohio EPA
B02	Maryland Water Quality Control	B06	N.J.Fishries Com.Lab.
B03	N.J. EPA	B07	N.Y. DEC
B04	Conn. DEP	B08	Dept. of Labor (State)
C01	Public Fire Dept.	C02	Public Police Dept.
E01	Factory Mutual	E04	Oil & Petroleum Co.
E02	Avon	E05	Insurance Company (other than FM)
E03	American Petroleum Institute		
G01	Newspaper	G04	Fire Journal
G02	NFPA Publication	G05	Fire Command
G03	Magazine Article	G06	Chemical Engineering

Operational Area

29 This code is used to identify the type of place where the incident occurred. It is composed of three codes:

1. The first code occupying the first character is the Demographic Code which includes:

R Rural	B Built-up	O Other	U Unknown

30 2. The second code occupying the second digit is the Area Usage Code:

R Residential	F Farm	U Unknown
I Industrial	O Other	

31 3. The third code occupying the third digit is the Type of Operation Code:

1 In-Plant Process	5 Waste Storage
2 Storage	9 Unknown
3 Transit	0 Other
4 Transfer	

Conduit

This element shows the conductor of the hazardous material from the spill site to a waterway if any such conductor is involved in the incident.

32 The codes for this are:

0 None involved	4 Storm Sewer and Drainagae Ditch
1 Drainage Ditch	9 Unknown Conductor
2 Storm Sewer	
3 Canal	

EPA Region Code

33 - 34 This is a code reflecting Environmental Protection Agency regions. Format is numeric, two digits.

Hydrologic Region Code

35 - 36 This is a two-digit code as shown on map from the "Cataloged Information on Water Data", U.S. Dept. of the Interior, Geological Survey, Office of Water Data Coordination.

Hydrologic Sub. Region Code

37 38 This is a two-digit code for significant river drainage systems. See Hydrologic Region Code.

Potability Code

39 This code shows whether the waterway is normally potable.

The code is one numeric digit.

The codes are:

0 Not Potable
1 Potable
9 Unknown

Current Speed

This element shows a current speed measurement either with or without volume inference. Speeds may be shown in knots, miles per hour, or cubic feet per second as available from the report or from the Office of Water Data Coordination, U.S. Geological Survey, National Center Mail Stop 417, Reston, VA 22092. (Request free information on Water Stage Station readings for places desired - note that in some cases there may be a change.)

The element has two parts:

1. A quantity section of four digits;
2. A unit of measure part of two characters.

The quanity section is shown in 4 whole integers right justified zero filling to the left, e.g.:

40 - 43

25 miles per hour	0025
1000 cubic feet per second	1000

Knots are always right justified with one assumed decimal place, e.g.:

1.5 knots	0015
1.0 knots	0010

The unit of measure section is shown by two codes: the first character has unit of measure in the following codes:

44

K Knots
M Miles per hour (Note: 1 cu. meter = 35.31 cu. ft.)
C Cubic feet per second

The second character shows whether or not this is an estimate:

45

E Estimate
A Actual (when unit of measure and quantity parts are present)
U Unknown current speed (unit of measure and quantity are <u>not</u> present).

Waterways or Other Areas Affected by Spill

This element shows the type of water, land or air body affected by a spill.

The codes from the Coast Guard have been incorporated in these codes so that the Coast Guard data may be used directly without human or machine translation.

46 The code is composed of three sections:

A prefix of:

1	Inland
2	Coast Line - Atlantic Coast
3	Coast Line - Pacific Coast
4	Coast Line - Gulf Coast
5	Coast Line - Great Lakes
6	Coast Line - Ocean Unspecified
9	Unspecified

---

47 - 48 A main section of type of Area Affected:

01	Lake, Bay, Estuary, sound, open internal water
02	River, channel, navigable waterway
03	Port or harbor area (including terminal or dock)
04	*Non-Navigable tributary to navigable water
05	*Other non-navigable area (brook, creek, stream, etc.)
06	Beach or shore adjoining navigable water or tributary to navigable water
07	Other beach or shore
08	Territorial Sea (Baseline to 3 miles)
09	Contiguous Zone (more than 3 miles to 12 miles)
10	Contiguous Zone (more than 12 miles to 50 miles)
11	Contiguous Zone (more than 50 miles to 100 miles)
12	Contiguous Zone (more than 100 miles to 150 miles)
13	Contiguous Zone (more than 150 miles to 200 miles)
25	Tributary-Navigability unknown
26	Other area (brook, creek, etc.)-Navigability unknown
27	Plant/Warehouse
28	RailRoad
29	Inside Track
31	Well, Subsurface water
32	Marshland, Wetland
33	Inside Ship
34	Inside RR Car
35	On Ground and In Water
40	Land (unimproved)
41	Paved roadway or Loading/Unloading Area
50	Air (by evaporation orifice)
98	Other
99	Unknown

*Probably only available in Coast Guard data

---

49 A suffix for Type of Flow

0	Land	3	Tidal
1	Still	9	Unknown
2	Running		

Primary Cause Code

50 This code indicates the immediate cause of discharge or spill. It is a two-digit, code. The first digit indicates:

1	Container Failure
2	Transfer System Failure
3	Overflow
4	Natural Phenomena
5	Intentional Discharge
6	Overturn
7	Fire
8	Valve Opened

50 -51 The second digit is a further breakdown (if any) of the category represented by the first digit.

The codes assigned are:

11	Failure, Tank
12	Failure, Non-tank
21	Failure, Transfer System (pipes, valving, rigid systems)
22	Failure, Transfer System (hose, hose coupling, nozzle)
41	Leaching and Seepage

50-51-52 Codes further breaking out these categories are:

111	Failure, Tank, Transport	1	Transport
112	Failure, Tank, Storage	2	Storage

The entire code set appears:

100	Failure of Container
110	Failure of Container Tank
111	Failure of Container, Tank, Transport
112	Failure of Container, Tank, Storage
120	Failure Non-Tank
200	Trasfer Systems Failure
210	Transfer Systems Failure (pipes, valving, rigid systems)
220	Transfer Systems Failure (hose, hose coupling, nozzle)
300	Overflow
400	Natural Phenomena
500	Intentional Discharge
600	Overturn

Secondary Cause (Tertiary) (Quaternary)

A secondary cause is a significant factor which contributed to the cause closer in time sequence to the primary cause. This is represented by a coding having two parts: Basic Category of Cause and Secondary Cause.

Basic Category of Cause is a two-digit code as follows:

53-54 (57-58) (61-62)

01	Mechanical Failure	06	Transportation
02	Structural Failure	07	Vandalism
03	Chemical Reaction	08	Intentional Discharge
04	Natural Hazard	09	Personnel Procedural Error
05	Material Handling	99	Other

55-56 (59-60) (63-64)

Secondary Cause and Tertiary and Quaternary codes are listed in sequence without regard to category so that there will be only one code for each secondary cause and so that a secondary cause may be placed in more than one category by simply prefixing it by the appropriate Basic Category Code. These codes may range from 01-99.

Secondary Cause codes are:

10	Dropped or Fell	28	Unsecured freight, improper loading	49	Power failure	70	Fire and/ or Explosion
11	Puncture by foreign object	29	Relief valve operated	50	Roof Collapse or building collapse	71	Process Malfunction
12	Puncture by fork lift	31	Gauge locking or inoperative	51	Snow or ice accumulation	72	Pond/Lagoon Overflow
13	Loose caps, covers fittings	33	Operator error	52	Flood	73	Container Overfilled
14	Gasket or Disk failure	34	Wet packing	53	Fire	74	Damaged by Other Freight
15	Corrosion or Fatigue	35	Jackknife	54	Cutting or welding equipment	75	No Valve
16	Overpressure	36	Road or rail condition	55	Molten metal spill or leakage		
17	Collision	37	Body side failure if vehicle or RR car, or side failure if container	56	Electrical Arcing or sparks		
18	Collision and overturn	38	Brakes failed	57	Spontaneous combustion		
19	Derailment	39	Container failure	58	Struck by Vehicle or excavating equipment		
20	Derailment and overturn	40	Improper handling	60	Normal Operation		
21	Overturn	41	Improper container or materials	61	Hazardous Materials allowed to collect in trench		
22	Leaking dome cover, safety vent, etc.	42	Vehicle moved while loading-unloading	63	Lightning		
23	Faulty or improper nozzle	44	Defective welding or weld failure	64	Wind		
24	Hose, pipe, hose coupling or connection failure	45	Barge-ship sank, shipwreck or grounding	65	Accidental or improper start-up of equipment		
25	Valve partially or fully open	46	Ruptured pipeline	66	Excess Temperature		
26	Valve or vent shut when should be open	47	Explosion	67	Control device lacking or inoperative		
27	Valve broken	48	Sprinkler system discharge or firefighter hose stream	69	Foreign substance or water introduced into material		

Equipment Code

This code shows any equipment involved in the spill. It is a hierarchical code of two parts and is dependent.

This is the equipment that carries or is involved with the material spilled but is not a container (see reverse side of documentation form under "container" - Box 35-37)

65 The first part is the Type of Conveyance Code. It is one digit as follows:

1 Large Engine Conveyance
2 Small Engine and Other Machinery
3 Miscellaneous Equipment

65-66-67 The second part is the Item of Equipment Name. It is two digits. The complete code for Equipment is as follows:

Large Engine Driven Conveyance

101	Fork Lift	108	Bulldozer	114	Truck, Cargo, Nontrailer
102	Box Car-RR	109	Crane	115	Automobile
103	Trailer Truck (non tank)	110	Freighter, Ship		
104	Van Truck	111	Air Craft		
105	Flat Car RR	112	Loading & Unloading Equipment		
106	Cargo Lift				
107	Front End Loader	113	Excavating Equip.		

Other Machinery

201	Melting Furnace	212	Air Compressor	221	Hot Water Heater
202	Log Stacker	213	Strip Heater	222	Sprayers (Agriculture)
203	Welding Equipment	214	Asphalt Coating Machine	223	Transfer Pump
204	Electro Cutting Machine	215	Refrig. & Heating Machine	224	Boiler
205	Drum Filling Machine	216	Threading Machine	225	Exhaust Fan
206	Reactor	217	Evaporator	226	Ventilation System
207	Paint Spray	218	Pump		
208	Precipitator	219	Rolling Mill		
209	Conveyor	220	Asphalt Still		
210	Circulating Pumps				
211	Gas Expander				

Miscellaneous Equipment

301	Transfer Hose and Pipe	309	Deck Plate	318	Regulation
302	Portable Steam Hose	310	Batteries	319	Heating Vent
303	Firefighter's hose streams	311	Sprinkler System	320	Refrigerator
304	2 Wheel barrel Wheeler Hand Truck	312	Floor Drain	321	Boom-Mechanical
		313	Coolant Piping	322	Utility Pole
305	Wood Pallets	314	Reactor	323	
306	Valve	315	Capacitor	324	Processing Equipment
307	RR Track Switch	316	Barge		
308	Transformer	317	Vapor Recovery System		

68-69-70 Other equipment involved (if any), code same as 65-66-67.

Notifier Code

This code represents the person or organization that notified the agency who removed or controlled the spill. This is a two-digit numeric code.

Current values are:

71-72

01	Employee	06	Coast Guard
02	Citizens or radio alert	07	Private Citizen
03	Police	08	Plant Management Personnel
04	Fire		
05	Pollution or Sanitation Office	09	Highway Dept.

Remover/Controller Code

This two-digit numeric code represents who cleaned up or controlled the spill.

Codes are as follows:

73-74

01	USEPA	06	Private Contractor
02	Coast Guard	07	Fire and/or Police
03	Fire Department	51	Shipper
04	Highway Department	57	Plant Personnel
05	State Environmental Agency	99	Other

(57 is for plant personnel so that more external agencies can be added from 07 to 49. All codes under 50 are outside agencies. Plant related groups can be coded in the 50's.)

Delay in Reporting Code

This one-digit numeric code represents the time elapsed between the occurrence of the spill and subsequent notification or discovery.

75

1	Immediate	5	Within 24 hours
2	Within 1 hour	6	Within 48 hours
3	Within 6 hours	7	Within 1 week
4	Within 12 hours	8	Over 1 week
		9	Unknown

Injuries/Fatalities of Operating Personnel

76-77

These two data elements are one-digit numeric in representation. The number is entered directly. 9 means 9 or more.

Injuries/Fatalities of Others

78-79
80-81

These two data elements are two-digit numeric in representation. The number is entered directly, i.e. if 20 others were injured or killed, a 20 is entered in the element field. The single digit numbers are entered with a zero preceding them, e.g. eight is 08. 99 means 99 or more.

Fire/Explosion

82 Resultant Fire and/or explosion. One alpha character to denote the following:

F	Fire	B	Both fire and explosion
E	Explosion	N	None reported

Rate of Spill

83 Relative rate of spill designated by one alpha character.

S	Slow	R	Rapid
M	Moderate	U	Unknown

Duration of Spill

84-87 Duration of spill in hours and tenths of hours. Block 87 denotes tenths of hours. In all cases the decimal point is between Block 86 and 87. 9.9 means 9.9 hours or more.

Emergency Equipment

This element of data describes equipment utilized during removal operations.

88-89 The code is a two-digit hierarchical code. A single digit in Element 88 has the following values:

1 Construction Equipment
2 Firefighting Equipment
3 Personnel Safety Equipment
4 Cleanup Contractor's Equip.
5 Containment Equipment
6 Recovery Equipment
7 Specially Designed Spill Equip.
8 Multiple Types of Equipment
9 Equipment Unknown

Two digit codes (Elements 88-89) represent a breakdown of the single digit categories as follows:

("0" as a second digit represents the general category)

10 Construction Equip.
20 Firefighting Equip.
30 Personnel Safety Equip.
40 Cleanup Contractor's Equip.
41 Pumping Equip.
50 Containment Equip.
51 Boom
60 Recovery Equip.
61 Suction Skimmers
62 Vacuum Systems
63 Weirs
64 Inverted Planes
65 Floating Discs and Drums
66 Absorbent Belts
67 Grates and Nets
68 Pumping Equip.
69 Dredging Equip.
70 Specially Designed Spill Equip.
71 Disposable Absorbents
72 Recycleable Absorbents
73 Burning Agents
74 Dispersants
75 Herders
76 Sinking Agents
80 Multiple Types of Equip.- See "Remarks"
90 Equipment Unknown

Personnel Emergency Equipment

90 This code is used to show the type of equipment used to protect those removing the spill.

The codes and values are as follows:

0 None
1 Semiprotective Clothing without Breathing Apparatus
2 Semiprotective Clothing with Breathing Apparatus
3 Fully Protective Clothing
4 Protective Apparatus
9 Unknown

Action Taken to Handle Spill
(3 fields separate)

91 This material takes three separate elements to display treatment of the spill.

The first element is the one-digit Contain Action element. This shows how containment was achieved. The codes are:

0 Nothing Done
1 Diking
2 Digging Trench
3 Plugging Leak
4 Repositioning Leaking Container
5 Shutting Valve, Tighten Cap or Cover
6 Clamping Pipe or Line; Attaching Cap
7 Diverting Flowing Stream; Isolating Pond
8 Other - see "Remarks"
9 Unknown

The second element is the Control-in-Place element. This shows what was done to handle the spill by controlling it in the place where the spill happened. This code is comprised of two parts:

Contol Type:

92
0 Nothing Done
1 Chemical Treatment
2 Physical Treatment
3 Chemical and Physical Treatment
9 Unknown

Control Actions:

92-93
00 Nothing Done
10 Chemical Treatment-Type Unspecified
11 Carbon Treatment by Makeshift unit
12 Carbon Treatment by Special Unit
13 Neutralization by Neutralizing Agent
14 Precipitation by Chemical Additives
15 Set Afire
16 Flocculate
21 Flooding/Flushing with Water
22 Add Sorbent
27 Floor Removed
29 Covered with Foam
30 Chemical and Physical Treatment
99 Unknown

The third element is the Removal Element. The codes are:

94
0 Nothing Done
1 Pumping to truck or tank car
2 Digging
3 Pumping to Treatment tank
4 Bagging, Packing or Collecting
5 Flushed away
9 Unknown

Disposition of Spill

95-96 This code shows the final disposition after action has been taken to remove or control spill. (For type of action taken, see Action taken to Contol or Remove Spill Codes.)

This is a two-digit code with values as follows:

01	Landfill	05	Dilution in Place
02	Incineration	06	No Removal
03	Recovery in place	07	Evaporate
04	Removal - Distribution Unknown	08	Remove to Disposal Area
		99	Unknown

Cost of Damage

97-99 The cost of damage is a data representation in two parts. The first two digits are the significant representation of the Cost of Damage rounded to the nearest two figure number. The third digit in the code represents an exponent.

Range of Number	Significant Representation	Exponent
0 - 99	01 - 99	0
100 - 99	10 - 99	1
1,000 - 99	10 - 99	2
10,000 - 99	10 - 99	3
100,000 - 99	10 - 99	4
1,000,000 - 9,000,000	10 - 99	5

Example: If Cost is $52,600 then: 5 3 3

Cost of Clean-up

100-102 The cost of Clean-up is coded in the same manner as the Cost of Damage.

Number of days Spent in Removal

103-104 This represents the duration of the removal process in days.

The format is numeric and the length is two digits.

Ecological Damage

105-106 This code is a two-digit numerical representation of types of ecological damage caused by the spill. Codes may be combined to eliminate degree. New numbers may be added for other types of ecological damage.

Examples: Shore Damage and Fish Kill 61
Water Supply and Wild Life Damage 83

01	Fish Kill	08	Water Supply
02	Shellfish Contamination	14	Fish Kill & Vegetation Damage
03	Wildlife	26	Shellfish & Littoral Damage
04	Vegetation	37	Wildlife & Wetland Damage
05	Waterway	90	Other
06	Beach/Shoreline/Banks-Riparian/Littoral	99	Unknown

Material(s) Spilled

Data Entry No.	
1	**Register Number** - Hard Coded: 2
2	**File Transaction Code** A - Add, C - Changes, D - Delete

Date of Incident

3 - 8 This is the date on which the incident occurred. This data element is in the major (leftmost) portion of the key to the incident.

Its format is:

YY MM DD

where YY stands for year
MM " " month
DD " " day

State Code

9 - 10 This is an alphabetic code for state as given by the National Bureau of Standards (NBS) publication FIPS PUB 5-1.

Name	Abbrev.	Name	Abbrev.	Name	Abbrev.
Alabama	AL	Kentucky	KY	North Dakota	ND
Alaska	AK	Louisiana	LA	Ohio	OH
Arizona	AZ	Maine	ME	Oklahoma	OK
Arkansas	AR	Maryland	MD	Oregon	OR
California	CA	Massachusetts	MA	Pennsylvania	PA
Colorado	CO	Michigan	MI	Rhode Island	RI
Connecticut	CT	Minnesota	MN	South Carolina	SC
Delaware	DE	Mississippi	MS	South Dakota	SD
Dist. of Col.	DC	Missouri	MO	Tennessee	TN
Florida	FL	Montana	MT	Texas	TX
Georgia	GA	Nebraska	NE	Utah	UT
Hawaii	HI	Nevada	NV	Vermont	VT
Idaho	ID	New Hampshire	NH	Virginia	VA
Illinois	IL	New Jersey	NJ	Washington	WA
Indiana	IN	New Mexico	NM	West Virginia	WV
Iowa	IA	New York	NY	Wisconsin	WI
Kansas	KS	North Carolina	NC	Wyoming	WY

Incident Sequence Number

11 This is a one-digit numeric data element used to ensure uniqueness in the incident key. It will be zero except when more than one incident has occurred on the same date in the same state. The second incident on the same day in the same state will be coded 1. The third will be 2, ad infinitum. It is the rightmost part of the key to incident.

Line 1)-2)-3) Material Name as given by Source

Material Number

12-19 This code represents the hazardous material. It is the code used in the "Toxic Substances" manual of the U.S. Dept. of H.E.W., 1978.

This code has two alphabetic characters followed by seven numeric digits and when in ascending sort, arranges material names alphabetically.

Spill Unit of Measure

Quantity Spilled: 20-22 (48-50) (76-78)

Exponent 23 (51) (79)

Quantity of spill is an actual amount rounded up to three significant digits when the fourth is 5 or more. Using the actual amount to three significant digits gives the capability of calculating toxicity more precisely than a range and provides for more precise correlations and projections in the future than would ranges.

The data is represented in two parts. The significant digits of three positions and the exponential value or number, e.g., 1,536,000 is shown as: 154 with 4 in exponent field.

The data codes and representations are:

Recovered 28-30) (56-58) (84-86)	Range of Number	Significance Representation	Exponent
	001-999	001-999	0
	1,000 - 9,990	100-999	1
	10,000 - 99,900	100-999	2
Exponent	100,000 - 999,000	100-999	3
31	1,000,000 - 9,990,000	100-999	4
(59)	10,000,000 - 99,900,000	100-999	5
(87)	100,000,000 - 999,000,000	100-999	6
	1,000,000,000 - 9,990,000,000	100-999	7

Spill Unit of Measure

Units Spilled 24 (52) (80)

Recovered 32 (60) (88)

This code is a one character code indicating the unit of measure used for the spill quantity. Code set members are as follows:

L Liters	*C Cubic Feet	*P Pounds
K Kilograms	*D Gallons Per Day	*T Tons
*A Ounces	*E Grams	U Unknown
*B Pint	*G Gallons	

Asterisked codes appear only on input. All stored values must be in Liters and Kilograms.

Conversion factors are as follows:

3.785 liters = 1 gallon
2.2 lbs. = 1 kilogram

Specific Gravity Correction

33-34
(61-62)
(89-90) Specific Gravity Correction if noted on Spill Report, otherwise leave blank.

Container Type

35-37)
(63-65)
(91-93) This code is used to identify the container type. The code is not hierarchical nor dependent. The code contains one alpha and two numeric digits. The container is the actual enclosure which was meant to hold the hazardous material spilled.

Codes for Container Types are:

B10	Bags	R10	Railroad Car, Bulk
B11	Bin	R13	Railroad Car, Tank
B15	Barrel	S40	Ship
B20	Barge, Bulk	S41	Spray Tank
B25	Barge, Tank	S42	Sump
B30	Battery	S43	Storage, Waste
B50	Bomb	S44	Sewer
B60	Bottles	S45	Silo
B65	Box	S46	Vat
C05	Cans	S47	Storage-Outside
C07	Capacitor	S49	Spill Pan
C10	Carboy	S50	Sludge Dryer
C90	Cylinder	T10	Tank, Cooking and Mixing
D30	Dip Tank	T15	Tank, Portable
D50	Drums	T20	Tank, Storage
D55	Drying Tower	T50	Transformer
H10	Hose (transfer)	T55	Trench
I30	Industrial Machinery	T60	Truck Trailer, Bulk
L45	Lagoon or Holding Pond	T61	Truck, Tank
		T62	Trailer, Tank
P10	Pails	T63	Processing Equipment
P40	Pipeline	V05	Vat
P50	Pond	Z99	Unknown

Container Material

38-39
(66-67)
(94-95) This code is a two-digit numeric code. The first digit represents the generic material of which the container is fabricated. The second digit denotes the specific material.

10 Metal (unspecified)	20 Synthetic or Organic (unspecified)	30 Other (unspecified)
11 Steel	21 Paper	31 Plastic
12 Stainless Steel	22 Cardboard	32 Rubber
13 Aluminum	23 Cardboard with plastic liner	33
14	24 Fiberboard	34 Glass
15	25	90 Other
16	26	99 Unknown

MATERIAL FILE UPDATE (FM Form 1482)
Use Form 1482 (11/77) FMRC

Data Entry No.	
1	Register Number - Hard Coded: 5
2	File Transaction Code A - Add, C - Changes, D - Delete
	Material Code
3 - 10	This code represents the hazardous material. It is the code code used in the RTECS of the U.S. Dept. of H.E.W., 1978. This code has two alphabetic characters followed by seven numeric digits and when in ascending sort, arranges material names alphabetically.
	Class WLN
11 - 20	Wiswesser Line-Formula Notation is a system for converting chemical structure diagrams to a linear string of symbols of letters and numbers.
	CAS No.
21 - 25	The Chemical Abstracts Service Registry Number is a numeric designation assigned by the American Chemical Society's Chemical Abstracts Service and uniquely identifies a specific chemical compound. This entry is to identify a substance regardless of the name or naming system used. This identifier is cross referenced with the RTECS Assession Number in the 1978 Registry of Toxic Effects of Chemical Substances.
	Material Name (Preferred)
30 - 69	This is the prime name as it appears in the 1978 NIOSH Registry of Toxic Effects of Chemical Substances.
	Synonym
70-109	Synonym for the Material Name (Preferred) is the first synonym listed alphabetically in the NIOSH 1978 RTECS.
	ADDITIONAL SYNONYMS
1 - 2	Hard Coded 6 and C respectively.

	Material Code
3 - 10	This code represents the hazardous material. It is the code used in the RTECS, NIOSH, U.S. Dept. of H.E.W., 1978. This code has two alphabetic characters followed by seven numeric digits and when in ascending sort, arranges material names alphabetically.
11 - 50	**Synonyms**
51 - 90	The next two synonyms listed alphabetically in the RTEC, NIOSH, U.S. Dept. of H.E.W., 1978.
	PHYSICAL
1 - 2	Hard Coded 7 and C respectively.
	Material Code
3 - 10	This code represents the hazardous material. It is the code used in the RTECS, NIOSH, U.S. Dept. of H.E.W., 1978. This code has two alphabetic characters followed by seven numeric digits and when in ascending sort, arranges material names alphabetically.
	Solubility in Water
11 - 17	Represents the number of grams soluble in 1000 grams of water. The format is 9999.99 where "9" represents numeric digits. If unknown, leave blank.

Flame and Explosion Hazard

18-19 These two one-numeric codes represent the numerical rating as set forth in "National Fire Codes", Vol. 13, Manual 49 of the National Fire Protection Association for the flammability and the reactivity of a material.

18 **Flammability**

4 Very flammable gases, very volatile flammable liquids, and materials that in the form of dusts or mists readily form explosive mixtures when dispersed in air. Shut-off flow of gas or liquid and keep cooling water streams on exposed tanks or containers. Use water spray carefully in the vicinity of dusts so as not to create dust clouds.

3 Liquids which can be ignited under almost all normal temperature conditions. Water may be ineffective on these liquids because of their low flash points. Solids which form coarse dusts, solids in shredded or fibrous form that create flash fires, solids that burn rapidly, usually because they contain their own oxygen, and any material that ignites spontaneously at normal temperatures in air.

2 Liquids which must be moderately heated before ignition will occur and solids that readily give off flammable vapors. Water spray may be used to extinguish the fire because the material can be cooled to below its flash point.

1 Materials that must be preheated before ignition can occur. Water may cause frothing of liquids with this flammability rating number if it gets below the surface of the liquid and turns to stream. However, water spray gently applied to the surface will cause a frothing which will extinguish the fire. Most combustible solids have a flammability rating of 1.

0 Materials that will not burn.

Flame and Explosion Hazard (Continued)

19 Reactivity

4 Materials which in themselves are readily capable of detonation or of explosive decomposition or explosive reaction at normal temperatures and pressures. Includes materials which are sensitive to mechanical or localized thermal shock. If a chemical with this hazard rating is in an advanced or massive fire, the area should be evacuated.

3 Materials which in themselves are capable of detonation or of explosive decomposition or of explosive reaction but which require a strong initiating source or which must be heated under confinement before initiation. Includes materials which are sensitive to thermal or mechanical shock at elevated temperatures and pressures or which react explosively with water without requiring heat or confinement. Firefighting should be done from an explosion-resistant location.

2 Materials which in themselves are normally unstable and readily undergo violent chemical change but do not detonate. Includes materials which can undergo chemical change with rapid release of energy at normal temperatures and pressures or which can undergo violent chemical change at elevated temperatures and pressures. Also includes those materials which may react violently with water or which may form potentially explosive mixtures with water. In advanced or massive fires, firefighting should be done from a protected location.

1 Materials which in themselves are normally stable but which may become unstable at elevated temperatures and pressures or which may react with water with some release of energy but not violently. Caution must be used in approaching the fire and applying water.

0 Materials which are normally stable even under fire exposure conditions and which are not reactive with water. Normal firefighting procedures may be used.

Specific Gravity

20-25 This element shows the specific gravity of a material in water or air as shown in the Merck Manual.

The format is: 9.9999A

Where "9" represents any numeric digit and the A represents an alphabetic character of:

A for Air

W for Water

D.O.T. Class

26-27 This is a Department of Transportion Code representing the relative transportation hazard.

The format is two digit numeric.

Codes are:

01	Corrosive Liquid	10	Combustible Liquid
02	Poison	11	Flammable Gas
03	Flammable Liquid	12	Non-Flammable Gas
04	Flammable Solid	15	*ORM A
05	Corrosive Material	16	ORM B
06	Oxidizing Material	17	ORM C
07	Radioactive	18	Organic Peroxide
08	Non-Combustible Gas	99	Unknown
09	Combustible Gas		

*Other Regulated Material

Vapor Pressure

28-35 This pressure and temperature represent the temperature at which the material, in its pure state, can exist in equilibrium contact with its vapor at the pressure shown.

Two fields are shown:

28-30 Pressure (psi) 999
31-35 Temperature (°C): 999.9

Where "9" represents numeric digits.

Melting Point

36-41 This represents the temperature at which the material melts.

The format is:

Temperature °C: X9999.9

Where "X" represents an alphanumeric character, in this case "+" or "-" and "9" represent numeric digits.

Boiling Point

42-46 This represents the temperature at which the material will begin to boil.

The format is:

Temperature °C: X999.9

Where "X" represents alphanumeric characters, in this case "+" or "-" and "9" represent numeric digits.

Normal State at Ambient Temperature

47 This code represents the normal state of the material at temperatures of +15°C to +25°C.

The codes are:

S	Solid
L	Liquid
G	Gas

Solubility in Oil

48-51 This specifies how many grams of the material will dissolve in 1000 grams of oil.

The format has not been determined since no standard has been found as yet.

Four numeric digits are allowed temporarily.

Normal Purity

52-53 This represents the normal concentration of the liquid material as shipped.

Format is two numeric digits.

If blanks are encountered, they will be interpreted as 100%.

Persistence

54 This code represents whether the material persists rather than dissipates.

The code stored should be:

1	is persistent
0	is not persistent
9	unknown or not reported

Value/Unit of Weight or Volume

55-60 This field represents the monetary value of the material per unit of weight or volume shown.

The data representation of money is: 9999

Where "9" represents numeric digits.

The codes for unit of weight or volume are:

ML	Milliliter
L	Liter
KL	Kiloliter
MG	Milligram
CG	Centigram
DG	Decigram
G	Gram

Entry of a single character should be to the left of the field with a blank following in the second position.

Relative Hazard

61-66 This is an empirical number representing the relative hazard of a material. In just over 50% of the cases a value for the LD_{50} of rats is given. This value in mg/kg of body weight is assigned as the relative hazard number. By assigning numbers in the following descriptive ranges, a relative hazard is empirically arrived at.

Highly Toxic	- 0 -	500 mg/kg
Moderately Toxic	- 500 -	7,500 mg/kg
Low Toxicity	- 7,500 -	15,000 mg/kg
No Toxicity	- above	15,000 mg/kg

As more toxicity information is known, the empirical relative toxicity number will be modified.

Aquatic Mammal

67-72 This is a measure of the relative toxicity in aquatic animal testing.

The format is: 9999 for the scale and XX for the animal.

This code has not been defined.

Toxicity, Human

73-78 This is a measure of relative toxicity in human testing.

The format is: 9999 for the scale and XX for the route of administration and the type of scale. This code set has not been defined.

Carcinogenic Hazard

79 This code represents the carcinogenic hazard of the material.

The codes are:

D	Definite
S	Suspected
I	Intermediate
N	Not carcinogenic

Class of Material

This is a Dept. of Transportation Code representing the relative transportation hazard.

The format is two digit numeric.

Codes are:

01	Corrosive Liquid
02	Poison
03	Flammable Liquid
04	Flammable Solid
05	Corrosive Material
06	Oxidizing Material
07	Radioactive
08	Non-combustible Gas
09	Combustible Gas
10	Combustible Liquid
11	Flammable Gas
12	Non-Flammable Gas
15	*ORM A
16	ORM B
17	ORM C
18	Organic Peroxide
99	Unknown

*Other regulated material.

APPENDIX B

SELECTED PARTITIONS OF THE DATA SET

B-1 Information Sources

B-2 Number of Incidents versus Equipment

B-3 Type of Operation

B-4 Distribution of 70 Selected Materials as Primary, Secondary, and Tertiary Components of Spill

B-5 Number of Incidents by Primary Cause (U.S.)

B-6 Number of Incidents by Primary Cause (Arizona)

B-7 Number of Incidents by Basic Category of Secondary Cause

B-8 Incidents by Type of Container (70 Selected Materials)

B-9 Operator Injuries for 70 Selected Materials

APPENDIX B-1

INFORMATION SOURCES BY QUANTITY

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 5501. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= INFORMATION SOURCES

\X Y\		TOT	%
A01	4320 100 079	4320	78.53
A02	0003 100	0003	0.05
A03	0006 100	0006	0.11
A05	0023 100	0023	0.42
A06	0002 100	0002	0.04
A10	0001 100	0001	0.02
B01	0050 100 001	0050	0.91
B02	0001 100	0001	0.02

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 5501. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= INFORMATION SOURCES

\X Y\		TOT	%
B03	0032 100 001	0032	0.58
B04	0039 100 001	0039	0.71
B05	0239 100 004	0239	4.34
B07	0016 100	0016	0.29
E01	0008 100	0008	0.15
G01	0757 100 014	0757	13.76
G02	0001 100	0001	0.02
G05	0001 00	0001	0.02

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 5501. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= INFORMATION SOURCES

\X Y\		TOT	%
099	0002 100	0002	0.04
TOTAL	5501		
%	100		

KEY OF CODES FOR INFORMATION SOURCES

A01	U.S. DEPT. OF TRANSPORTATION
A02	U.S. COAST GUARD
A03	U.S. EPA
A04	OFFICE OF PIPELINE SAFETY
A05	OSHA
A06	U.S. DEPT. OF LABOR
A07	ERDA
A08	U.S. GEOLOGICAL SURVEY
A09	U.S. DEPT. OF COMMERCE
A10	NAT'L FIRE PROT. CONTROL ADMIN.
B01	MASS. DEPT. OF NAT'L RESOURCES
B02	MARYLAND WATER QUALITY CONTROL
B03	N.J. EPA
B04	CONN. DEP
B05	OHIO EPA
B06	N.J. FISHRIES COM. LAB.
B07	N.Y. DEC
B08	DEPT. OF LABOR (STATE)
C01	PUBLIC FIRE DEPT.
C02	PUBLIC POLICE DEPT.
E01	FACTORY MUTUAL
E02	AVON
E03	AMERICAN PETROLEUM INSTITUTE
E04	OIL & PETROLEUM CO.
E05	INSURANCE COMPANY (OTHER THAN FM)
G01	NEWSPAPER
G02	NFPA PUBLICATION
G03	MAGAZINE ARTICLE

KEY OF CODES FOR INFORMATION SOURCES

G04	FIRE JOURNAL
G05	FIRE COMMAND
G06	CHEMICAL ENGINEERING
A99	UNKNOWN
B99	UNKNOWN
C99	UNKNOWN
E99	UNKNOWN
G99	UNKNOWN

APPENDIX B-2

NUMBER OF INCIDENTS BY EQUIPMENT

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 1815. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= EQUIPMENT

\X Y\		TOT	%
1	0353 100 019	0353	19.45
2	0001 100	0001	0.06
3	0006 100	0006	0.33
101	0143 100 008	0143	7.88
102	0048 100 003	0048	2.64
103	0622 100 034	0622	34.27
104	0109 100 006	0109	6.01
105	0012 100 001	0012	0.66

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 1815. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= EQUIPMENT

\X Y\		TOT	%
107	0001 100	0001	0.06
108	0002 100	0002	0.11
109	0001 100	0001	0.06
110	0007 100	0007	0.39
111	0010 100 001	0010	0.55
112	0014 100 001	0014	0.77
114	0078 100 004	0078	4.30
115	0004 100	0004	0.22

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 1815. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= EQUIPMENT

\X Y\		TOT	%
201	0004 100	0004	0.22
206	0002 100	0002	0.11
209	0003 100	0003	0.17
212	0003 100	0003	0.17
215	0004 100	0004	0.22
218	0024 100 021	0024	1.32
222	0008 100	0008	0.44
223	0008 100	0008	0.44

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 1815. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= EQUIPMENT

\X Y\		TOT	%
224	0007 100	0007	0.39
226	0004 100	0004	0.22
301	0169 100 009	0169	9.31
302	0001 100	0001	0.06
303	0007 100	0007	0.39
304	0010 100 001	0010	0.55
305	0006 100	0006	0.33
306	0100 100 005	0100	5.51

2 DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 1815. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= EQUIPMENT

\X Y\		TOT	%
308	0009 100	0009	0.50
311	0001 100	0001	0.06
312	0001 100	0001	0.06
313	0003 100	0003	0.17
314	0003 100	0003	0.17
315	0013 100 001	0013	0.72
316	0001 100	0001	0.06
317	0001 100	0001	0.06

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 1815. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= EQUIPMENT

\X Y\		TOT	%
318	0003 100	0003	0.17
319	0002 100	0002	0.11
320	0004 100	0004	0.22
321	0001 100	0001	0.06
322	0001 100	0001	0.06
324	0001 100	0001	0.06
TOTAL	1815		
%	100		

KEY OF CODES FOR EQUIPMENT

1	LARGE ENGINE CONVEYANCE
2	SMALL ENGINE & OTHER MACHINERY
3	MISCELLANEOUS EQUIPMENT
101	FORK LIFT
102	BOX CAR-RR
103	TRAILER TRUCK (NON TANK)
104	VAN TRUCK
105	FLAT CAR RR
106	CARGO LIFT
107	FRONT END LOADER
108	BULLDOZER
109	CRANE
110	FREIGHTER, SHIP
111	AIR CRAFT
112	LOADING & UNLOADING EQUIP.
113	EXCAVATING EQUIPMENT
114	TRUCK, CARGO, NONTRAILER
115	AUTOMOBILE
201	MELTING FURNACE
202	LOG STACKER
203	WELDING EQUIPMENT
204	ELECTRO CUTTING MACHINE
205	DRUM FILLING MACHINE
206	REACTOR
207	PAINT SPRAY
208	PRECIPITATOR
209	CONVEYOR
210	CIRCULATING PUMPS

KEY OF CODES FOR EQUIPMENT

211	GAS EXPANDER
212	AIR COMPRESSOR
213	STRIP HEATER
214	ASPHALT COATING MACHINE
215	REFRIG. & HEATING MACHINE
216	THREADING MACHINE
217	EVAPORATOR
218	PUMP
219	ROLLING MILL
220	ASPHALT STILL
221	HOT WATER HEATER
222	SPRAYERS (AGRICULTURE)
223	TRANSFER PUMP
224	BOILER
225	EXHAUST FAN
226	VENTILATION SYSTEM
301	TRANSFER HOSE AND PIPE
302	PORTABLE STEAM HOSE
303	FIREFIGHTER'S HOSE STREAMS
304	2 WHEEL BARREL WHEELER HAND TRUCK
305	WOOD PALLETS
306	VALVE
307	RR TRACK SWITCH
308	TRANSFORMER
309	DECK PLATE
310	BATTERIES
311	SPRINKLER SYSTEM
312	FLOOR DRAIN

KEY OF CODES FOR EQUIPMENT

313	COOLANT PIPING
314	REACTOR
315	CAPACITOR
316	BARGE
317	VAPOR RECOVERY SYSTEM
318	REGULATION
319	HEATING VENT
320	REFRIGERATOR
321	BOOM-MECHANICAL
322	UTILITY POLE
324	PROCESSING EQUIPMENT

APPENDIX B-3

NUMBER OF INCIDENTS BY TYPE OF OPERATION
(Includes Histogram)

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 5505. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

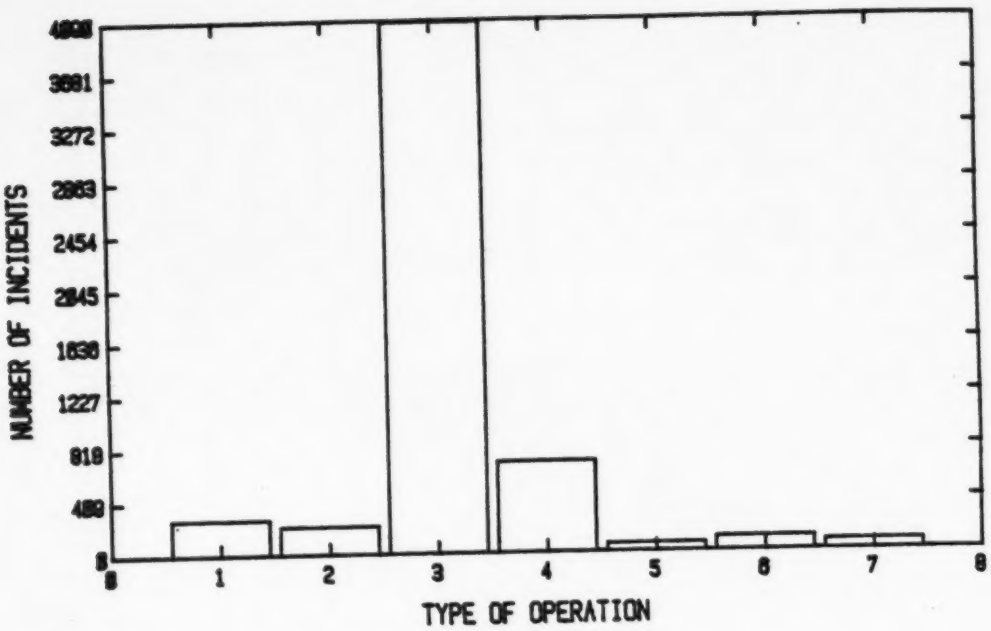
X= TYPE OF OPERATION

Y= FOR ALL PARAMETERS

\X Y\	1	2	3	4	5	9	0	TOT	%
	0272 005 100	0217 004 100	4080 074 100	0704 013 100	0059 001 100	0102 002 100	0071 001 100	5505	100.00
TOTAL	0272	0217	4080	704	0059	0102	0071		
%	005	004	074	013	001	002	001		

KEY OF CODES FOR TYPE OF OPERATION

1	IN-PLANT PROCESS
2	STORAGE
3	TRANSIT
4	TRANSFER
5	WASTE STORAGE
9	UNKNOWN
0	OTHER



FOR ALL PARAMETERS

KEY OF CODES FOR TYPE OF OPERATION

01	1	IN-PLANT PROCESS
02	2	STORAGE
03	3	TRANSIT
04	4	TRANSFER
05	5	WASTE STORAGE
06	9	UNKNOWN
07	8	OTHER

APPENDIX B-4

DISTRIBUTION OF 70 SELECTED MATERIALS AS PRIMARY, SECONDARY, AND TERTIARY COMPONENTS OF SPILL

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 3187. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\	TOT	%
WS560000	0553 100 017	0553	17.48
MW402500	0424 100 013	0424	13.39
TB630000	0239 100 008	0239	7.56
BO087500	0206 100 007	0206	6.50
WB490000	0159 100 005	0159	5.02
QU577500	0136 100 004	0136	4.29
FO210000	0100 100 003	0100	3.16
PC140000	0093 100 003	0093	2.94

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 3167. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
AF122500	0049 100 002	0049	1.55
VG711000	0088 100 003	0088	2.78
KQ630000	0073 100 002	0073	2.31
CZ630000	0026 100 001	0026	0.82
BR905000	0055 100 002	0055	1.74
FT210000	0040 100 001	0040	1.26
XS525000	0043 100 001	0043	1.36
MX090000	0042 100 001	0042	1.33

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 3167. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
SJ332500	0043 100 001	0043	1.36
WL367500	0037 100 001	0037	1.17
TQ135000	0036 100 001	0036	1.14
ZE210000	0033 100 001	0033	1.04
BQ962500	0034 100 001	0034	1.07
AL315000	0032 100 001	0032	1.01
TT282500	0032 100 001	0032	1.01
LP892500	0033 100 001	0033	1.04

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 3167. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
AT070000	0019 100 001	0019	0.60
MW787500	0028 100 001	0028	0.88
NT805000	0027 100 001	0027	0.85
AT525000	0023 100 001	0023	0.73
QW872000	0012 100	0012	0.38
EL647500	0023 100 001	0023	0.73
SE755500	0017 100 001	0017	0.54
GS717500	0013 100	0013	0.41

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 3167. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
ED267500	0016 100 001	0016	0.51
GB245000	0013 100	0013	0.41
MW961000	0015 100	0015	0.47
CY140000	0010 100	0010	0.32
TX227500	0013 100	0013	0.41
OZ297500	0005 100	0005	0.16
OZ507500	0016 100 001	0016	0.51
AK192500	0014 100	0014	0.44

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 3167. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
MX122500	0014 100	0014	0.44
PA805000	0012 100	0012	0.38
LQ490000	0010 100	0010	0.32
AE122500	0012 100	0012	0.38
SC750000	0012 100	0012	0.38
EW310000	0009 100	0009	0.28
UR840000	0012 100	0012	0.38
WM840000	0013 100	0013	0.41

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 3167. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
PB980000	0011 100	0011	0.35
FG490000	0009 100	0009	0.28
TH469700	0011 100	0011	0.35
DA647500	0011 100	0011	0.35
XM515000	0011 100	0011	0.35
NH348500	0010 100	0010	0.32
FS910000	0011 100	0011	0.35
XP875000	0010 100	0010	0.32

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 3167. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
LU595000	0009 100	0009	0.28
TH367500	0010 100	0010	0.32
VV822500	0012 100	0012	0.38
KI577500	0009 100	0009	0.28
KU962500	0009 100	0009	0.28
AB192500	0008 100	0008	0.25
DM660000	0009 100	0009	0.28
JP210000	0009 100	0009	0.28

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 3167. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
VZ752500	0009 100	0009	0.28
ED140000	0009 100	0009	0.28
FX573000	0009 100	0009	0.28
TD927500	0005 100	0005	0.16
KX455000	0005 100	0005	0.16
OA550000	0007 100	0007	0.22
TOTAL	3167		
%	100		

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

WS560000	SULFURIC ACID
MW402500	HYDROCHLORIC ACID
TB630000	PHOSPHORIC ACID
BO087500	AMMONIA
WB490000	SODIUM HYDROXIDE
QU577500	NITRIC ACID
FO210000	CHLORINE
PC140000	METHANOL
AF122500	ACETIC ACID
VG711000	RESIN
KQ630000	ETHYL ALCOHOL
CZ630000	BENZENE DIISOYANATO MENTHYL
BR905000	AMMONIUM NITRATE FERTILIZER
TT210000	POTASSIUM HYDROXIDE
XS525000	TOLUNE
MX090000	HYDROGEN PEROXIDE
SJ332500	PHENOL
WL367500	STYRENE
TQ135000	POLYCHLORINATED BIPHENYLS
ZE210000	XYLENE
BQ962500	AMMONIUM HYDROXIDE
AL315000	ACETONE
TT282500	POTASSIUM HYPOCHLORITE
LP892500	FORMALDEHYDE
AT070000	ACRYLIC ACID ETHYL ESTER
MW787500	HYDROFLJORIC ACID
NT805000	ISOPROPYL ALCOHOL
AT525000	ACRYLONITRILE

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

QW972000	NITROGEN CRYOGENIC LIQUID
EL647500	BUTANONE
SE755500	PETROLEUM SPIRITS
GS717500	CYANIDE
ED267500	BORATE TETRAFLUORO
GB245000	CHROMIC ACID
MW961000	HYDROGEN CHLORIDE
CY140000	BENZENE
TX227500	PROPANE
QZ297500	METHACRYLIC ACID
QZ507500	METHACRYLIC ACID METHYL ESTER
AK192500	ACETIC ANHYDRIDE
MX122500	HYDROGEN SULFIDE
PA805000	METHANE DICHLORO
LQ490000	FORMIC ACID
AE122500	ACETANILIDE
SC750000	PERCHLORIC ACID
EW310000	CALCIUM OXIDE
UR840000	PYRIDINE
WM840000	CALCIUM OXIDE
PB980000	METHANOINDAN
FG490000	CARBON TETRACHLORIDE
TH489700	PHOSHPORYL CHLORIDE
DA647500	BENZENE NITRO-
XM515000	THIONYL CHLORIDE
NH348500	HYDROCHLOROUS ACID CALCIUM SALT
FS910000	CHLOROFORM
XP875000	TIN CHLORIDE

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

LU595000	FURAN TETRAHYDRO
TH367500	PHOSPHOROUS CHLORIDE
VV822500	SILICATE HEXAFLUORO DIHYDROGEN
KI577500	ETHANE OXYBIS
KU962500	ETHYLENE CHLORO
AB192500	ACETALDEHYDE
DM660000	BENZOYL CHLORIDE
JP210000	DITHIOIXOUS ACID DISODIUM SALT
VZ752500	SODIUM CYANIDE
EO140000	BUTYL ALCOHOL
FX573000	CHLOROSULFURIC ACID
TD927500	PHOSPHORODITHIOIC ACID DIETHYL ESTER
KX455000	ETHYLENE TRICHLORO
OA550000	KEROSENE

```
NO. OF INVALID MATERIAL CODES FOUND          :   0
NO. BLANK Z PARAMETERS FOUND (NON-NUM.)      :   0
NO. BLANK X PARAMETERS FOUND (NON-NUM.)      :   0
NO. BLANK Y PARAMETERS FOUND (NON-NUM.)      :   0
NO. OF INVALID CODES FOR Z PARAMETER FOUND   :   0
NO. OF INVALID CODES FOR X PARAMETER FOUND   :   0
NO. OF INVALID CODES FOR Y PARAMETER FOUND   :   0
NO. OF NUMERIC ERRORS FOR Z PARAMETER FOUND  :   0
NO. OF NUMERIC ERRORS FOR X PARAMETER FOUND  :   0
NO. OF NUMERIC ERRORS FOR Y PARAMETER FOUND  :   0
NO. INCIDENTS OF BLANK OR 0-FILLED NUMERICS  :   0
NO. OF NUMERIC ERRORS ENCOUNTERED IN SUBEPA  :   0
NO. OF UNIT ERRORS ENCOUNTERED IN SUBEPA     :   0
NO. OF 3 TIME OCCURANCES OF BLANK OR
                UNKNOWN UNITS IN SUBEPA      :   0

 NUMBER OF INCIDENTS READ  5615
```

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 61. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (SEC.)

\X Y\		TOT	%
WS560000	0006 100 010	0006	9.84
MW402500	0005 100 008	0005	8.20
TB630000	0001 100 002	0001	1.64
BD087500	0004 100 007	0004	6.56
WB490000	0001 100 002	0001	1.64
QU577500	0004 100 007	0004	6.56
FO210000	0002 100 003	0002	3.28
PC140000	0003 100 005	0003	4.92

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 61. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (SEC.)

\X Y\		TOT	%
AF122500	0001 100 002	0001	1.64
FT210000	0001 100 002	0001	1.64
XS525000	0004 100 007	0004	6.56
SJ332500	0004 100 007	0004	6.56
WL367500	0001 100 002	0001	1.64
LP892500	0001 100 002	0001	1.64
AT070000	0001 100 002	0001	1.64
NT805000	0001 100 002	0001	1.64

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 61. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (SEC.)

\X Y\		TOT	%
AT525000	0002 100 003	0002	3.28
SE755500	0001 100 002	0001	1.64
GS717500	0004 100 007	0004	6.56
CY140000	0001 100 002	0001	1.64
TX227500	0002 100 003	0002	3.28
PA805000	0001 100 002	0001	1.64
EW310000	0003 100 005	0003	4.92
PB980000	0001 100 002	0001	1.64

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 61. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (SEC.)

\X Y\		TOT	%
FG490000	0002 100 003	0002	3.28
NH348500	0002 100 003	0002	3.28
LU595000	0001 100 002	0001	1.64
KX455000	0001 100 002	0001	1.64
TOTAL	0061		
%	100		

KEY OF CODES FOR SPILL MATERIAL (SEC.)

WS560000	SULFURIC ACID
MW402500	HYDROCHLORIC ACID
TB630000	PHOSPHORIC ACID
BD087500	AMMONIA
WB490000	SODIUM HYDROXIDE
QU577500	NITRIC ACID
FQ210000	CHLORINE
PC140000	METHANOL
AF122500	ACETIC ACID
VG711000	RESIN
KQ630000	ETHYL ALCOHOL
CZ630000	BENZENE DIISOYANATO MENTHYL
BR905000	AMMONIUM NITRATE FERTILIZER
TT210000	POTASSIUM HYDROXIDE
XS525000	TOLUNE
MX090000	HYDROGEN PEROXIDE
SJ332500	PHENOL
WL367500	STYRENE
TQ135000	POLYCHLORINATED BIPHENYLS
ZE210000	XYLENE
BQ962500	AMMONIUM HYDROXIDE
AL315000	ACETONE
TT282500	POTASSIUM HYPOCHLORITE
LP892500	FORMALDEHYDE
AT070000	ACRYLIC ACID ETHYL ESTER
MW787500	HYDROFLJORIC ACID
NT805000	ISOPROPYL ALCOHOL
AT525000	ACRYLONITRILE

KEY OF CODES FOR SPILL MATERIAL (SEC.)

QW972000	NITROGEN CRYOGENIC LIQUID
EL647500	BUTANONE
SE755500	PETROLEUM SPIRITS
GS717500	CYANIDE
ED267500	BORATE TETRAFLUORO
GB245000	CHROMIC ACID
MW961000	HYDROGEN CHLORIDE
CY140000	BENZENE
TX227500	PROPANE
OZ297500	METHACRYLIC ACID
OZ507500	METHACRYLIC ACID METHYL ESTER
AK192500	ACETIC ANHYDRIDE
MX122500	HYDROGEN SULFIDE
PA805000	METHANE DICHLORO
LQ490000	FORMIC ACID
AE122500	ACETANILIDE
SC750000	PERCHLORIC ACID
EW310000	CALCIUM OXIDE
URB40000	PYRIDINE
WMB40000	CALCIUM OXIDE
PB980000	METHANOINDAN
FG490000	CARBON TETRACHLORIDE
TH489700	PHOSHPORYL CHLORIDE
DA647500	BENZENE NITRO-
XM515000	THIONYL CHLORIDE
NH348500	HYDROCHLORCUS ACID CALCIUM SALT
FS910000	CHLORJFORM
XP875000	TIN CHLORIDE

KEY OF CODES FOR SPILL MATERIAL (SEC.)

LU595000	FURAN TETRAHYDRO
TH367500	PHOSPHOROUS CHLORIDE
VV822500	SILICATE HEXAFLUORO DIHYDROGEN
KI577500	ETHANE OXYBIS
KU962500	ETHYLENE CHLORO
AB192500	ACETALDEHYDE
DM660000	BENZOYL CHLORIDE
JP210000	DITHIOIXOUS ACID DISODIUM SALT
VZ752500	SODIUM CYANIDE
EO140000	BUTYL ALCOHOL
FX573000	CHLOROSULFURIC ACID
TD927500	PHOSPHORODITHIOIC ACID DIETHYL ESTER
KX455000	ETHYLENE TRICHLORO
OA550000	KEROSENE

```
NO. OF INVALID MATERIAL CODES FOUND          :   0
NO. BLANK Z PARAMETERS FOUND (NON-NUM.)      :   0
NO. BLANK X PARAMETERS FOUND (NON-NUM.)      :   0
NO. BLANK Y PARAMETERS FOUND (NON-NUM.)      :   0
NO. OF INVALID CODES FOR Z PARAMETER FOUND   :   0
NO. OF INVALID CODES FOR X PARAMETER FOUND   :   0
NO. OF INVALID CODES FOR Y PARAMETER FOUND   :   0
NO. OF NUMERIC ERRORS FOR Z PARAMETER FOUND  :   0
NO. OF NUMERIC ERRORS FOR X PARAMETER FOUND  :   0
NO. OF NUMERIC ERRORS FOR Y PARAMETER FOUND  :   0
NO. INCIDENTS OF BLANK OR 0-FILLED NUMERICS  :   0
NO. OF NUMERIC ERRORS ENCOUNTERED IN SUBEPA  :   0
NO. OF UNIT ERRORS ENCOUNTERED IN SUBEPA     :   0
NO. OF 5 TIME OCCURANCES OF BLANK OR
                  UNKNOWN UNITS IN SUBEPA    :   0

 NUMBER OF INCIDENTS READ  5615
```

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 17. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL(TERTIARY)

\X Y\	TOT	%
WS560000 0001 100 006	0001	5.88
MW402500 0002 100 012	0002	11.76
BO087500 0001 100 008	0001	5.88
WB490000 0001 100 006	0001	5.88
PC140000 0002 100 012	0002	11.76
MX090000 0001 100 006	0001	5.88
SJ332500 0002 100 012	0002	11.76
ZE210000 0001 100 006	0001	5.88

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 17. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL(TERTIARY)

\X Y\		TOT	%
AL315000	0001 100 006	0001	5.88
GS717500	0001 100 006	0001	5.88
MW961000	0001 100 006	0001	5.88
LU595000	0001 100 006	0001	5.88
AB192500	0001 100 006	0001	5.88
KK455000	0001 100 006	0001	5.88
TOTAL	0017		
%	100		

KEY OF CODES FOR SPILL MATERIAL(TERTIARY)

WS560000	SULFURIC ACID
MW402500	HYDROCHLORIC ACID
TB630000	PHOSPHORIC ACID
BO087500	AMMONIA
WB490000	SODIUM HYDROXIDE
QU577500	NITRIC ACID
FQ210000	CHLORINE
PC140C00	METHANOL
AF122500	ACETIC ACID
VG711000	RESIN
KQ630000	ETHYL ALCOHOL
CZ630000	BENZENE DIISOYANATO MENTHYL
BR905000	AMMONIUM NITRATE FERTILIZER
TT210000	POTASSIUM HYDROXIDE
XS525000	TOLUNE
MX090000	HYDROGEN PEROXIDE
SJ332500	PHENOL
WL367500	STYRENE
TQ135000	POLYCHLORINATED BIPHENYLS
ZE210000	XYLENE
BQ962500	AMMONIUM HYDROXIDE
AL315000	ACETONE
TT282500	POTASSIUM HYPOCHLORITE
LP892500	FORMALDEHYDE
AT070000	ACRYLIC ACID ETHYL ESTER
MW787500	HYDROFLJORIC ACID
NT805000	ISOPROPYL ALCOHOL
AT525000	ACRYLONITRILE

KEY OF CODES FOR SPILL MATERIAL(TERTIARY)

QW972000	NITROGEN CRYOGENIC LIQUID
EL647500	BUTANONE
SE755500	PETROLEUM SPIRITS
GS717500	CYANIDE
ED267500	BORATE TETRAFLUORO
GB245000	CHROMIC ACID
MW961000	HYDROGEN CHLORIDE
CY140000	BENZENE
TX227500	PROPANE
OZ297500	METHACRYLIC ACID
OZ507500	METHACRYLIC ACID METHYL ESTER
AK192500	ACETIC ANHYDRIDE
MX122500	HYDROGEN SULFIDE
PA805000	METHANE DICHLORO
LQ450000	FORMIC ACID
AE122500	ACETANILIDE
SC750000	PERCHLORIC ACID
EW310000	CALCIUM OXIDE
UR840000	PYRIDINE
WM840000	CALCIUM OXIDE
PB580000	METHANOINDAN
FG490000	CARBON TETRACHLORIDE
TH489700	PHOSPHORYL CHLORIDE
DA647500	BENZENE NITRO-
XM515000	THIONYL CHLORIDE
NH348500	HYDROCHLOROUS ACID CALCIUM SALT
FS910000	CHLOROFORM
XP875000	TIN CHLORIDE

KEY OF CODES FOR SPILL MATERIAL(TERTIARY)

LU595000	FURAN TETRAHYDRO
TH387500	PHOSPHOROUS CHLORIDE
VV822500	SILICATE HEXAFLUORO DIHYDROGEN
KI577500	ETHANE OXYBIS
KU962500	ETHYLENE CHLORO
AB192500	ACETALDEHYDE
DM660000	BENZOYL CHLORIDE
JP210000	DITHIOIXOUS ACID DISODIUM SALT
VZ752500	SODIUM CYANIDE
EO140000	BUTYL ALCOHOL
FX573000	CHLOROSULFURIC ACID
TD927500	PHOSPHORODITHIOIC ACID DIETHYL ESTER
KX455000	ETHYLENE TRICHLORO
OA550000	KEROSENE

NO. OF INVALID MATERIAL CODES FOUND : 0
NO. BLANK Z PARAMETERS FOUND (NON-NUM.) : 0
NO. BLANK X PARAMETERS FOUND (NON-NUM.) : 0
NO. BLANK Y PARAMETERS FOUND (NON-NUM.) : 0
NO. OF INVALID CODES FOR Z PARAMETER FOUND : 0
NO. OF INVALID CODES FOR X PARAMETER FOUND : 0
NO. OF INVALID CODES FOR Y PARAMETER FOUND : 0
NO. OF NUMERIC ERRORS FOR Z PARAMETER FOUND : 0
NO. OF NUMERIC ERRORS FOR X PARAMETER FOUND : 0
NO. OF NUMERIC ERRORS FOR Y PARAMETER FOUND : 0
NO. INCIDENTS OF BLANK OR 0-FILLED NUMERICS : 0
NO. OF NUMERIC ERRORS ENCOUNTERED IN SUBEPA : 0
NO. OF UNIT ERRORS ENCOUNTERED IN SUBEPA : 0
NO. OF 3 TIME OCCURANCES OF BLANK OR
UNKNOWN UNITS IN SUBEPA : 0

NUMBER OF INCIDENTS READ 5615

APPENDIX B-5

NUMBER OF INCIDENTS BY PRIMARY CAUSE (U.S.)

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 5275. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

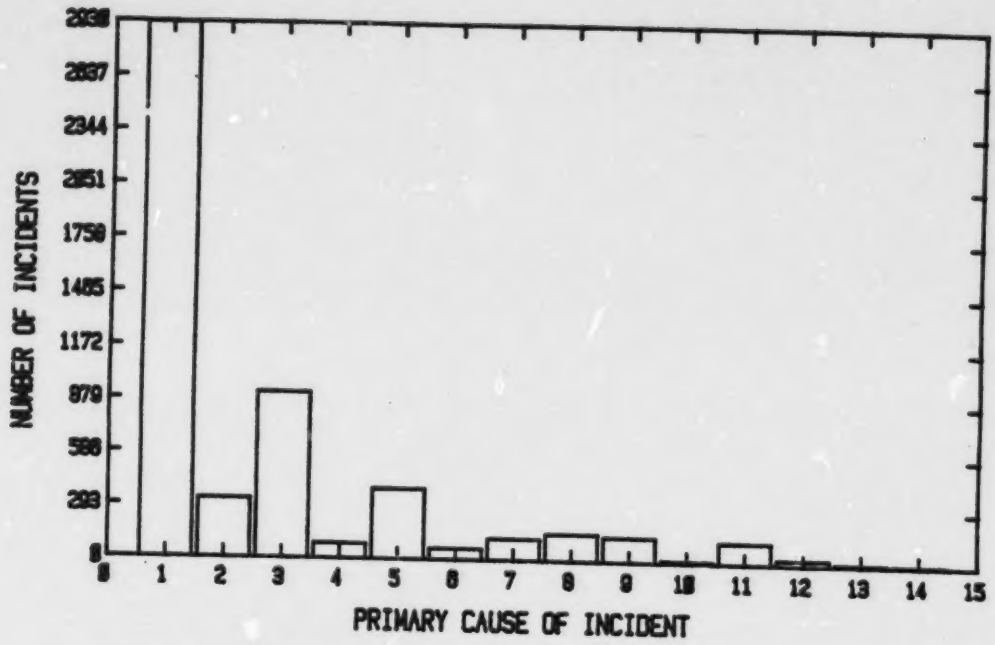
X= PRIMARY CAUSE OF INCIDENT

Y= FOR ALL PARAMETERS

\X Y\	100	110	111	112	120	200	210	220	300	400	500	600	700	800	TOT	%
	2927 055 100	0328 006 100	0920 017 100	0082 002 100	0385 007 100	0060 001 100	0118 002 100	0148 003 100	0134 003 100	0012 100	0116 002 100	0029 001 100	0010 100	0006 100	5275	100.00
TOTAL	2927	0328	0920	0082	0385	0060	0118	0148	0134	0012	0116	0029	0010	0006		
%	055	006	017	002	007	001	002	003	003		002	001				

KEY OF CODES FOR PRIMARY CAUSE OF INCIDENT

100	FAILURE OF CONTAINER
110	FAILURE OF CONTAINER,TANK
111	FAILURE OF CONTAINER,TANK,TRANS.
112	FAILURE OF CONTAINER,TANK,STORAGE
120	FAILURE NON-TANK
200	TRANSFER SYSTEMS FAILURE
210	FAILURE (PIPE,VALVING,RIGID SYS.)
220	FAILURE (HOSE, COUPLING,NOZZLE)
300	OVERFLOW
400	NATURAL PHENOMENA
500	INTENTIONAL DISCHARGE
600	OVERTURN
700	FIRE
800	VALVE OPENED



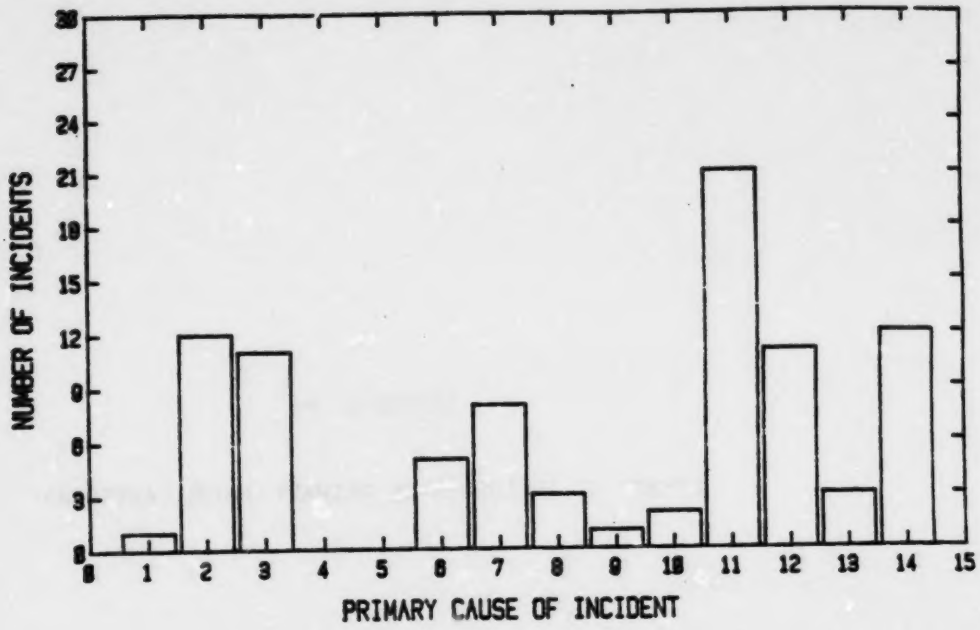
FOR ALL PARAMETERS

KEY OF CODES FOR PRIMARY CAUSE OF INCIDENT

01	100	FAILURE OF CONTAINER
02	110	FAILURE OF CONTAINER, TANK
03	111	FAILURE OF CONTAINER, TANK, TRANS.
04	112	FAILURE OF CONTAINER, TANK, STORAGE
05	120	FAILURE NON-TANK
06	200	TRANSFER SYSTEMS FAILURE
07	210	FAILURE (PIPE, VALVING, RIGID SYS.)
08	220	FAILURE (HOSE, COUPLING, NOZZLE)
09	300	OVERFLOW
10	400	NATURAL PHENOMENA
11	500	INTENTIONAL DISCHARGE
12	600	OVERTURN
13	700	FIRE
14	800	VALVE OPENED

APPENDIX B-6

NUMBER OF INCIDENTS BY PRIMARY CAUSE (ARIZONA)



U. S. STATES ARIZONA

KEY OF CODES FOR PRIMARY CAUSE OF INCIDENT

01	100	FAILURE OF CONTAINER
02	110	FAILURE OF CONTAINER, TANK
03	111	FAILURE OF CONTAINER, TANK, TRANSPORT
04	112	FAILURE OF CONTAINER, TANK, STORAGE
05	120	FAILURE NON-TANK
06	200	TRANSFER SYSTEMS FAILURE
07	210	TRANSFER SYSTEMS FAILURE (PIPE, VALVING, RIGID SYS.)
08	220	TRANSFER SYSTEMS FAILURE (HOSE, COUPLING, NOZZLE)
09	300	OVERFLOW
10	400	NATURAL PHENOMENA
11	500	INTENTIONAL DISCHARGE
12	600	OVERTURN
13	700	FIRE
14	800	VALVE OPENED

APPENDIX B-7

NUMBER OF INCIDENTS BY BASIC CATEGORY OF SECONDARY CAUSE

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 5030. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

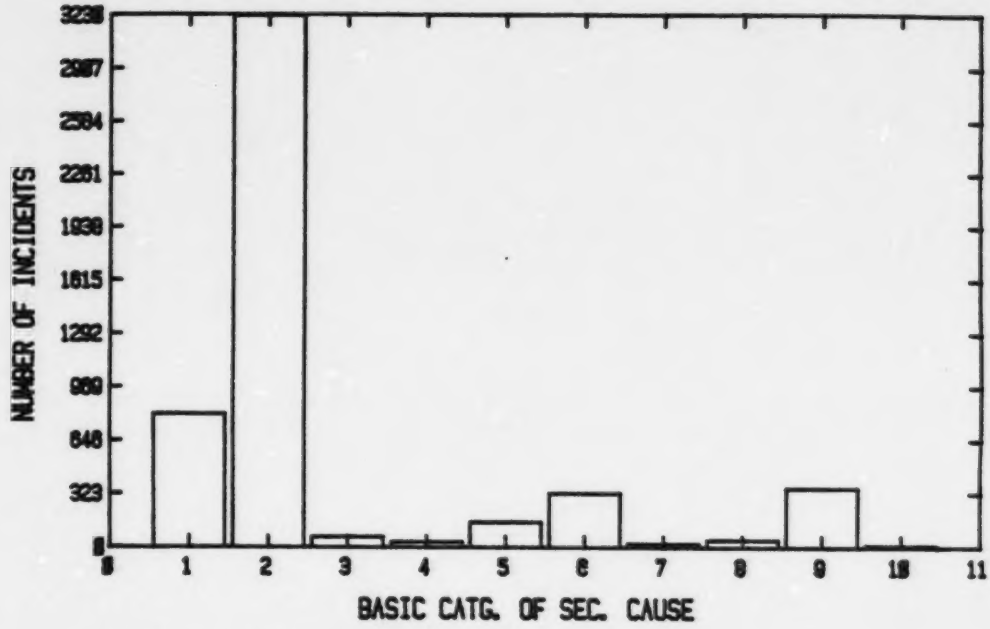
X= BASIC CATG. OF SEC. CAUSE

Y= FOR ALL PARAMETERS

X \ Y	01	02	03	04	05	06	07	08	09	99	TOT	%
	0807	3225	0062	0031	0151	0324	0021	0043	0354	0012	5030	100.00
	016	064	001	001	003	006		001	007			
	100	100	100	100	100	100	100	100	100	100		
TOTAL	0807	3225	0062	0031	0151	0324	0021	0043	0354	0012		
%	016	064	001	001	003	006		001	007			

KEY OF CODES FOR BASIC CATG. OF SEC. CAUSE

01	MECHANICAL FAILURE
02	STRUCTURAL FAILURE
03	CHEMICAL REACTION
04	NATURAL HAZARD
05	MATERIAL HANDLING
06	TRANSPORTATION
07	VANDALISM
08	INTENTIONAL DISCHARGE
09	PERSONNEL PROCEDURAL ERROR
99	OTHER



FOR ALL PARAMETERS

KEY OF CODES FOR BASIC CATG. OF SEC. CAUSE

01	01	MECHANICAL FAILURE
02	02	STRUCTURAL FAILURE
03	03	CHEMICAL REACTION
04	04	NATURAL HAZARD
05	05	MATERIAL HANDLING
06	06	TRANSPORTATION
07	07	VANDALISM
08	08	INTENTIONAL DISCHARGE
09	09	PERSONNEL PROCEDURAL ERROR
10	99	OTHER

APPENDIX B-8

INCIDENTS BY TYPE OF CONTAINER
(70 Selected Materials)

Z DISTRIBUTION CONTAINER TYPE (PRI) BAGS

NO. OF INCIDENTS 48. PERCENTAGE OF ALL INCIDENTS IN REPORT 1.60

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0008 100 017	0008	16.67
MW402500	0002 100 004	0002	4.17
TB630000	0001 100 002	0001	2.08
WB490000	0005 100 010	0005	10.42
AF122500	0001 100 002	0001	2.08
BR905000	0025 100 052	0025	52.08
MW787500	0001 100 002	0001	2.08
GS717500	0001 100 002	0001	2.08

Z DISTRIBUTION CONTAINER TYPE (PRI) BAGS

NO. OF INCIDENTS 48. PERCENTAGE OF ALL INCIDENTS IN REPORT 1.60

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

X / Y		TOT	%
FS910000	0001 100 002	0001	2.08
TD927500	0003 100 006	0003	6.25
TOTAL	0048		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) BIN

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) BARREL

NO. OF INCIDENTS 11. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.37

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

X \ Y		TOT	%
MW402500	0001 100 009	0001	9.09
WB490000	0002 100 018	0002	18.18
QU577500	0001 100 009	0001	9.09
FQ210000	0001 100 009	0001	9.09
KQ630000	0001 100 009	0001	9.09
XS525000	0002 100 018	0002	18.18
LQ490000	0001 100 009	0001	9.09
XM515000	0001 100 009	0001	9.09

Z DISTRIBUTION CONTAINER TYPE (PRI) BARREL

NO. OF INCIDENTS 11. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.37

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

X / Y		TOT	%
JP210000	0001 100 009	0001	9.09
TOTAL	0011		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) BARGE, BULK

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) BARGE, TANK

NO. OF INCIDENTS 8. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.27

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0004 100 050	0004	50.00
BO087500	0001 100 013	0001	12.50
WL367500	0001 100 013	0001	12.50
OA550000	0002 100 025	0002	25.00
TOTAL	0008		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) BATTERY

NO. OF INCIDENTS 3. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.10

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0002 100 067	0002	66.67
LQ490000	0001 100 033	0001	33.33
TOTAL	0003		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) BOMB

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) BOTTLES

NO. OF INCIDENTS 618. PERCENTAGE OF ALL INCIDENTS IN REPORT 20.59

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0147 100 024	0147	23.79
MM402500	0150 100 024	0150	24.27
TB630000	0020 100 003	0020	3.24
BO087500	0003 100	0003	0.49
WB490000	0010 100 002	0010	1.62
QU577500	0058 100 009	0058	9.39
FO210000	0006 100 001	0006	0.97
PC140000	0017 100 003	0017	2.75

Z DISTRIBUTION CONTAINER TYPE (PRI) BOTTLES

NO. OF INCIDENTS 618. PERCENTAGE OF ALL INCIDENTS IN REPORT 20.59

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
AF122500	0027 100 004	0027	4.37
VG711000	0001 100	0001	0.16
KQ630000	0016 100 003	0016	2.59
TT210000	0010 100 002	0010	1.62
XS525000	0005 100 001	0005	0.81
MX090000	0009 100 001	0009	1.46
SJ332500	0011 100 002	0011	1.78
ZE210000	0003 100	0003	0.49

Z DISTRIBUTION CONTAINER TYPE (PRI) BOTTLES

NO. OF INCIDENTS 618. PERCENTAGE OF ALL INCIDENTS IN REPORT 20.59

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
BQ962500	0011 100 002	0011	1.78
TT282500	0017 100 003	0017	2.75
LP892500	0009 100 001	0009	1.46
AT070000	0001 100	0001	0.16
MW787500	0007 100 001	0007	1.13
NT805000	0005 100 001	0005	0.81
EL647500	0002 100	0002	0.32
SE755500	0001 100	0001	0.16

Z DISTRIBUTION CONTAINER TYPE (PRI) BOTTLES

NO. OF INCIDENTS 618. PERCENTAGE OF ALL INCIDENTS IN REPORT 20.59

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
ED267500	0003 100	0003	0.49
QB245000	0003 100	0003	0.49
MW961000	0003 100	0003	0.49
AK192500	0005 100 301	0005	0.81
PA805000	0002 100	0002	0.32
LQ490000	0003 100	0003	0.49
SC750000	0010 100 002	0010	1.62
UR840000	0010 100 002	0010	1.62

Z DISTRIBUTION CONTAINER TYPE (PRI) BOTTLES

NO. OF INCIDENTS 610. PERCENTAGE OF ALL INCIDENTS IN REPORT 20.59

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WM840000	0003 100	0003	0.49
PB980000	0003 100	0003	0.49
FG490000	0003 100	0003	0.49
TH489700	0004 100 001	0004	0.65
DA647500	0005 100 001	0005	0.81
XM515000	0002 100	0002	0.32
FS910000	0004 100 001	0004	0.65
LU595000	0002 100	0002	0.32

Z DISTRIBUTION CONTAINER TYPE (PRI) BOTTLES

NO. OF INCIDENTS 618. PERCENTAGE OF ALL INCIDENTS IN REPORT 20.59

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

X / Y		TOT	%
TH367500	0001 100	0001	0.16
KI577500	0002 100	0002	0.32
DM660000	0001 100	0001	0.16
ED140000	0002 100	0002	0.32
FX573000	0001 100	0001	0.16
TOTAL	0618		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) BOX

NO. OF INCIDENTS 81. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.70

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0033 100 041	0033	40.74
MW402500	0013 100 016	0013	16.05
TB630000	0004 100 005	0004	4.94
WB490000	0002 100 002	0002	2.47
QU577500	0004 100 005	0004	4.94
PC140000	0001 100 001	0001	1.23
AF122500	0004 100 005	0004	4.94
KQ630000	0001 100 001	0001	1.23

Z DISTRIBUTION CONTAINER TYPE (PRI) BOX

NO. OF INCIDENTS 81. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.70

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Y\X		TOT	%
BR905000	0001 100 001	0001	1.23
TT210000	0003 100 004	0003	3.70
MX090000	0002 100 002	0002	2.47
ZE210000	0001 100 001	0001	1.23
BQ962500	0002 100 002	0002	2.47
TT282500	0001 100 001	0001	1.23
LP892500	0001 100 001	0001	1.23
EL647500	0001 100 001	0001	1.23

Z DISTRIBUTION CONTAINER TYPE (PRI) BOX

NO. OF INCIDENTS 81. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.70

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
OZ507500	0001 100 001	0001	1.23
SC750000	0002 100 002	0002	2.47
UR840000	0002 100 002	0002	2.47
WM840000	0001 100 001	0001	1.23
TH489700	0001 100 001	0001	1.23
TOTAL	0081		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) CANS

NO. OF INCIDENTS 74. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.47

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0002 100 003	0002	2.70
MW402500	0002 100 003	0002	2.70
BQ087500	0001 100 001	0001	1.35
WB490000	0005 100 007	0005	6.76
FQ210000	0001 100 001	0001	1.35
PC140000	0017 100 023	0017	22.97
VG711000	0008 100 011	0008	10.81
KQ630000	0016 100 022	0016	21.62

Z DISTRIBUTION CONTAINER TYPE (PRI) CANS

NO. OF INCIDENTS 74. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.47

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
CZ630000	0001 100 001	0001	1.35
XS525000	0001 100 001	0001	1.35
MX090000	0001 100 001	0001	1.35
SJ332500	0001 100 001	0001	1.35
ZE210000	0002 100 003	0002	2.70
LP892500	0002 100 003	0002	2.70
NT805000	0001 100 001	0001	1.35
EL647500	0003 100 004	0003	4.05

Z DISTRIBUTION CONTAINER TYPE (PRI) CANS

NO. OF INCIDENTS 74. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.47

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
PA805000	0002 100 003	0002	2.70
AE122500	0004 100 005	0004	5.41
WM840000	0002 100 003	0002	2.70
PB980000	0001 100 001	0001	1.35
XP875000	0001 100 001	0001	1.35
TOTAL	0074		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) CAPACITOR

NO. OF INCIDENTS 4. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.13

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
B0087500	0002 100 050	0002	50.00
TQ135000	0002 100 050	0002	50.00
TOTAL	0004		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) CARBOY

NO. OF INCIDENTS 28. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.93

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0012 100 043	0012	42.86
MW402500	0006 100 021	0006	21.43
TB630000	0001 100 004	0001	3.57
WB490000	0001 100 004	0001	3.57
QU577500	0005 100 018	0005	17.86
SJ332500	0001 100 004	0001	3.57
BQ962500	0001 100 004	0001	3.57
TT282500	0001 100 004	0001	3.57

Z DISTRIBUTION CONTAINER TYPE (PRI) CARBOY

NO. OF INCIDENTS 28. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.93

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
TOTAL	0028	28	
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) CYLINDER

NO. OF INCIDENTS 37. PERCENTAGE OF ALL INCIDENTS IN REPORT 1.23

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0002 100 005	0002	5.41
MW402500	0003 100 008	0003	8.11
QU577500	0001 100 003	0001	2.70
F0210000	0016 100 043	0016	43.24
PC140000	0001 100 003	0001	2.70
AF122500	0001 100 003	0001	2.70
KQ630000	0001 100 003	0001	2.70
MW961000	0005 100 014	0005	13.51

Z DISTRIBUTION CONTAINER TYPE (PRI) CYLINDER

NO. OF INCIDENTS 37. PERCENTAGE OF ALL INCIDENTS IN REPORT 1.23

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
MX122500	0004 100 011	0004	10.81
WM840000	0001 100 003	0001	2.70
XP875000	0002 100 005	0002	5.41
TOTAL	0037		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) DIP TANK

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) DRUMS

NO. OF INCIDENTS 359. PERCENTAGE OF ALL INCIDENTS IN REPORT 11.96

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0019 100 005	0019	5.29
MW402500	0045 100 013	0045	12.53
TB630000	0017 100 005	0017	4.74
BO087500	0001 100	0001	0.28
WB490000	0033 100 009	0033	9.19
QU577500	0005 100 001	0005	1.39
FQ210000	0003 100 001	0003	0.84
PC140000	0011 100 003	0011	3.06

Z DISTRIBUTION CONTAINER TYPE (PRI) DRUMS

NO. OF INCIDENTS 359. PERCENTAGE OF ALL INCIDENTS IN REPORT 11.96

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
AF122500	0002 100 001	0002	0.56
VG711000	0044 100 012	0044	12.26
KQ630000	0009 100 003	0009	2.51
CZ630000	0013 100 004	0013	3.62
TT210000	0014 100 004	0014	3.90
XS525000	0009 100 003	0009	2.51
MX090000	0011 100 003	0011	3.06
SJ332500	0003 100 001	0003	0.84

Z DISTRIBUTION CONTAINER TYPE (PRI) DRUMS

NO. OF INCIDENTS 359. PERCENTAGE OF ALL INCIDENTS IN REPORT 11.96

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
ZE210000	0003 100 001	0003	0.84
BQ962500	0010 100 003	0010	2.79
TT282500	0007 100 002	0007	1.95
LP892500	0001 100	0001	0.28
AT070000	0002 100 001	0002	0.56
MW787500	0003 100 001	0003	0.84
NT805000	0006 100 002	0006	1.67
AT525000	0004 100 001	0004	1.11

Z DISTRIBUTION CONTAINER TYPE (PRI) DRUMS

NO. OF INCIDENTS 359. PERCENTAGE OF ALL INCIDENTS IN REPORT 11.96

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
EL647500	0004 100 001	0004	1.11
SE755500	0001 100	0001	0.28
GS717500	0003 100 001	0003	0.84
ED267500	0006 100 002	0006	1.67
GB245000	0003 100 001	0003	0.84
OZ297500	0005 100 001	0005	1.39
OZ507500	0003 100 001	0003	0.84
AK192500	0002 100 001	0002	0.56

Z DISTRIBUTION CONTAINER TYPE (PRI) DRUMS

NO. OF INCIDENTS 359. PERCENTAGE OF ALL INCIDENTS IN REPORT 11.96

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

X / Y		TOT	%
NH348500	0006 100 002	0006	1.67
FS910000	0001 100	0001	0.28
XP875000	0005 100 001	0005	1.39
LU595000	0003 100 001	0003	0.84
TH367500	0003 100 001	0003	0.84
VV822500	0002 100 001	0002	0.56
KI577500	0003 100 001	0003	0.84
DM660000	0003 100 001	0003	0.84

Z DISTRIBUTION CONTAINER TYPE (PRI) DRUMS

NO. OF INCIDENTS 359. PERCENTAGE OF ALL INCIDENTS IN REPORT 11.96

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
PA805000	0003 100 001	0003	0.84
LQ490000	0003 100 001	0003	0.84
AE122500	0004 100 001	0004	1.11
EW310000	0001 100	0001	0.28
WM840000	0002 100 001	0002	0.56
PB980000	0002 100 001	0002	0.56
TH489700	0001 100	0001	0.28
XM515000	0003 100 001	0003	0.84

Z DISTRIBUTION CONTAINER TYPE (PRI) DRUMS

NO. OF INCIDENTS 359. PERCENTAGE OF ALL INCIDENTS IN REPORT 11.96

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
JP210000	0005 100 001	0005	1.39
VZ752500	0005 100 001	0005	1.39
ED140000	0001 100	0001	0.28
TD927500	0001 100	0001	0.28
TOTAL	0359		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) DRYING TOWER

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) HOSE (TRANSFER)

NO. OF INCIDENTS 9. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.30

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0002 100 022	0002	22.22
MW402500	0001 100 011	0001	11.11
TB630000	0003 100 033	0003	33.33
BO087500	0002 100 022	0002	22.22
XS525000	0001 100 011	0001	11.11
TOTAL	0009		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) INDUSTRIAL MACHINERY

NO. OF INCIDENTS 17. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.57

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
80087500	0006 100 035	0006	35.29
FQ210000	0003 100 018	0003	17.65
SE755500	0003 100 018	0003	17.65
MX122500	0002 100 012	0002	11.76
FG490000	0001 100 006	0001	5.88
TH387500	0001 100 006	0001	5.88
KU962500	0001 100 006	0001	5.88
TOTAL	0017		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) LAGOON OR HOLDING POND

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) PAILS

NO. OF INCIDENTS 84. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.80

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0007 100 008	0007	8.33
MM402500	0008 100 010	0008	9.52
TB630000	0004 100 005	0004	4.76
WB490000	0002 100 002	0002	2.38
PC140000	0002 100 002	0002	2.38
AF122500	0001 100 001	0001	1.19
VG711000	0009 100 011	0009	10.71
KQ630000	0009 100 011	0009	10.71

Z DISTRIBUTION CONTAINER TYPE (PRI) PAILS

NO. OF INCIDENTS 84. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.80

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
CZ630000	0001 100 001	0001	1.19
FT210000	0002 100 002	0002	2.38
XS525000	0003 100 004	0003	3.57
MX090000	0001 100 001	0001	1.19
SJ332500	0001 100 001	0001	1.19
ZE210000	0003 100 004	0003	3.57
BQ962500	0005 100 006	0005	5.95
FT282500	0002 100 002	0002	2.38

Z DISTRIBUTION CONTAINER TYPE (PRI) PAILS

NO. OF INCIDENTS 84. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.80

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
LP892500	0001 100 001	0001	1.19
MW787500	0003 100 004	0003	3.57
NT805000	0003 100 004	0003	3.57
EL647500	0002 100 002	0002	2.38
GS717500	0001 100 001	0001	1.19
ED267500	0004 100 005	0004	4.76
GB245000	0001 100 001	0001	1.19
PA805000	0001 100 001	0001	1.19

Z DISTRIBUTION CONTAINER TYPE (PRI) PAILS

NO. OF INCIDENTS 84. PERCENTAGE OF ALL INCIDENTS IN REPORT 2.80

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
LQ490000	0001 100 001	0001	1.19
AE122500	0001 100 001	0001	1.19
NH348500	0002 100 002	0002	2.38
FS910000	0001 100 001	0001	1.19
KI577500	0001 100 001	0001	1.19
TD927500	0001 100 001	0001	1.19
KX455000	0001 100 001	0001	1.19
TOTAL	0084		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) PIPELINER HOLDING POND

NO. OF INCIDENTS 51. PERCENTAGE OF ALL INCIDENTS IN REPORT 1.70

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0003 100 006	0003	5.88
MW402500	0002 100 004	0002	3.92
TB630000	0001 100 002	0001	1.96
BO087500	0009 100 018	0009	17.65
WB490000	0001 100 002	0001	1.96
FO210000	0020 100 039	0020	39.22
PC140000	0001 100 002	0001	1.96
BR905000	0001 100 002	0001	1.96

Z DISTRIBUTION CONTAINER TYPE (PRI) PIPELINER HOLDING POND

NO. OF INCIDENTS 51. PERCENTAGE OF ALL INCIDENTS IN REPORT 1.70

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
MX090000	0001 100 002	0001	1.96
SJ332500	0002 100 004	0002	3.92
WL367500	0001 100 002	0001	1.96
ZE210000	0001 100 002	0001	1.96
LP892500	0001 100 002	0001	1.96
QB245000	0001 100 002	0001	1.96
TX227500	0001 100 002	0001	1.96
MX122500	0001 100 002	0001	1.96

Z DISTRIBUTION CONTAINER TYPE (PRI) PIPELINER HOLDING POND

NO. OF INCIDENTS 51. PERCENTAGE OF ALL INCIDENTS IN REPORT 1.70

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
PB980000	0001 100 002	0001	1.96
FG490000	0002 100 004	0002	3.92
OA550000	0001 100 002	0001	1.96
TOTAL	0051		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) POND

NO. OF INCIDENTS 8. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.27

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0001 100 013	0001	12.50
MW402500	0001 100 013	0001	12.50
VG711000	0001 100 013	0001	12.50
WL367500	0001 100 013	0001	12.50
LP892500	0001 100 013	0001	12.50
SE755500	0001 100 013	0001	12.50
EW310000	0002 100 025	0002	25.00
TOTAL	0008		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) RAILROAD CAR, BULK

NO. OF INCIDENTS 13. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.43

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
BR905000	0011 100 085	0011	84.62
QW972000	0001 100 008	0001	7.69
CY140000	0001 100 008	0001	7.69
TOTAL	0013		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) RAILROAD CAR, TANK

NO. OF INCIDENTS 677. PERCENTAGE OF ALL INCIDENTS IN REPORT 22.55

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0156 100 023	0156	23.04
MW402500	0054 100 008	0054	7.98
TB630000	0143 100 021	0143	21.12
BO087500	0069 100 010	0069	10.19
WB490000	0035 100 005	0035	5.17
QU577500	0014 100 002	0014	2.07
FQ210000	0024 100 004	0024	3.55
PC140000	0025 100 004	0025	3.69

Z DISTRIBUTION CONTAINER TYPE (PRI) RAILROAD CAR, TANK

NO. OF INCIDENTS 677. PERCENTAGE OF ALL INCIDENTS IN REPORT 22.55

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
AF122500	0006 100 001	0006	0.89
KQ630000	0007 100 001	0007	1.03
CZ630000	0004 100 001	0004	0.59
BR905000	0002 100	0002	0.30
TT210000	0007 100 001	0007	1.03
XS525000	0004 100 001	0004	0.59
MX090000	0006 100 001	0006	0.89
SJ332500	0005 100 001	0005	0.74

Z DISTRIBUTION CONTAINER TYPE (PRI) RAILROAD CAR, TANK

NO. OF INCIDENTS 677. PERCENTAGE OF ALL INCIDENTS IN REPORT 22.55

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

X / Y		TOT	%
WL367500	0015 100 002	0015	2.22
TQ135000	0001 100	0001	0.15
ZE210000	0008 100 001	0008	1.18
LP892500	0003 100	0003	0.44
AT070000	0007 100 001	0007	1.03
MW787500	0002 100	0002	0.30
NT805000	0003 100	0003	0.44
AT525000	0014 100 002	0014	2.07

Z DISTRIBUTION CONTAINER TYPE (PRI) RAILROAD CAR, TANK

NO. OF INCIDENTS 677. PERCENTAGE OF ALL INCIDENTS IN REPORT 22.55

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
EL647500	0003 100	0003	0.44
MW961000	0002 100	0002	0.30
CY140000	0005 100 001	0005	0.74
TX227500	0003 100	0003	0.44
OZ507500	0006 100 001	0006	0.89
AK192500	0005 100 001	0005	0.74
MX122500	0002 100	0002	0.30
TH489700	0001 100	0001	0.15

Z DISTRIBUTION CONTAINER TYPE (PRI) RAILROAD CAR, TANK

NO. OF INCIDENTS 677. PERCENTAGE OF ALL INCIDENTS IN REPORT 22.55

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
XM515000	0001 100	0001	0.15
LU595000	0001 100	0001	0.15
TH367500	0002 100	0002	0.30
VV822500	0006 100 001	0006	0.89
KI577500	0001 100	0001	0.15
KU962500	0006 100 001	0006	0.89
AB192500	0007 100 001	0007	1.03
DM660000	0002 100	0002	0.30

Z DISTRIBUTION CONTAINER TYPE (PRI) RAILROAD CAR, TANK

NO. OF INCIDENTS 677. PERCENTAGE OF ALL INCIDENTS IN REPORT 22.55

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
E0140000	0004 100 001	0004	0.59
FX573000	0006 100 001	0006	0.89
TOTAL	0677		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) SHIP

NO. OF INCIDENTS 2. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.07

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
80087500	0001 100 050	0001	50.00
WL367500	0001 100 050	0001	50.00
TOTAL	0002		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) SPRAY TANK

NO. OF INCIDENTS 1. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.03

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

X / Y		TOT	%
AE122500	0001 100 100	0001	100.00
TOTAL	0001		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) SUMP

NO. OF INCIDENTS 3. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.10

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
B0087500	0001 100 033	0001	33.33
SJ332500	0001 100 033	0001	33.33
AT070000	0001 100 033	0001	33.33
TOTAL	0003		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) STORAGE, WASTE

NO. OF INCIDENTS 1. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.03

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WB490000	0001 100 100	0001	100.00
TOTAL	0001		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) SEWER

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) SILO

NO. OF INCIDENTS 2. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.07

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
B0087500	0001 100 050	0001	50.00
EL647500	0001 100 050	0001	50.00
TOTAL	0002		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) VAT

NO. OF INCIDENTS 5. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.17

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
MW402500	0001 100 020	0001	20.00
TQ135000	0003 100 DE0	0003	60.00
MX122500	0001 100 020	0001	20.00
TOTAL	0005		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) STORAGE-OUTSIDE

NO. OF INCIDENTS 1. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.03

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
EW310000	0001 100 100	0001	100.00
TOTAL	0001		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) SPILL PAN

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) SLUDGE DRYER

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) TANK, COOKING AND MIXING

NO. OF INCIDENTS 4. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.13

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
GB245000	0001 100 025	0001	25.00
EW310000	0002 100 050	0002	50.00
FG490000	0001 100 025	0001	25.00
TOTAL	0004		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) TANK, PORTABLE

NO. OF INCIDENTS 20. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.67

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0001 100 005	0001	5.00
MW402500	0001 100 005	0001	5.00
TB630000	0001 100 005	0001	5.00
BO087500	0009 100 045	0009	45.00
FO210000	0003 100 015	0003	15.00
PC140000	0002 100 010	0002	10.00
XS525000	0001 100 005	0001	5.00
LP892500	0001 100 005	0001	5.00

Z DISTRIBUTION CONTAINER TYPE (PRI) TANK, PORTABLE

NO. OF INCIDENTS 20. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.67

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
SE755500	0001 100 005	0001	5.00
TOTAL	0020		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) TANK, STORAGE

NO. OF INCIDENTS 167. PERCENTAGE OF ALL INCIDENTS IN REPORT 5.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

X / Y		TOT	%
WS560000	0041 100 025	0041	24.55
MW402500	0019 100 011	0019	11.38
(B630000	0006 100 004	0006	3.59
BO087500	0034 100 020	0034	20.36
WB490000	0011 100 007	0011	6.59
QU577500	0006 100 004	0006	3.59
FO210000	0006 100 004	0006	3.59
PC140000	0001 100 001	0001	0.60

Z DISTRIBUTION CONTAINER TYPE (PRI) TANK, STORAGE

NO. OF INCIDENTS 167. PERCENTAGE OF ALL INCIDENTS IN REPORT 5.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
VG711000	0001 100 001	0001	0.60
KQ630000	0002 100 001	0002	1.20
CZ630000	0002 100 001	0002	1.20
SJ332500	0001 100 001	0001	0.60
WL367500	0008 100 005	0008	4.79
ZE210000	0001 100 001	0001	0.60
LP892500	0001 100 001	0001	0.60
MW787500	0005 100 003	0005	2.99

Z DISTRIBUTION CONTAINER TYPE (PRI) TANK, STORAGE

NO. OF INCIDENTS 167. PERCENTAGE OF ALL INCIDENTS IN REPORT 5.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
AT525000	0001 100 001	0001	0.60
QW972000	0007 100 004	0007	4.19
SE755500	0001 100 001	0001	0.60
GS717500	0001 100 001	0001	0.60
CY140000	0001 100 001	0001	0.60
TX227500	0004 100 002	0004	2.40
OZ507500	0001 100 001	0001	0.60
MX122500	0001 100 001	0001	0.60

Z DISTRIBUTION CONTAINER TYPE (PRI) TANK, STORAGE

NO. OF INCIDENTS 167. PERCENTAGE OF ALL INCIDENTS IN REPORT 5.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
AE122500	0001 100 001	0001	0.60
FS910000	0001 100 001	0001	0.60
VV822500	0001 100 001	0001	0.60
KU962500	0001 100 001	0001	0.60
KX455000	0001 100 001	0001	0.60
TOTAL	0167		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) TRANSFORMER

NO. OF INCIDENTS 124. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.13

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0005 100 004	0005	4.03
MW402500	0015 100 012	0015	12.10
TB630000	0004 100 003	0004	3.23
WB490000	0006 100 005	0006	4.84
QU577500	0006 100 005	0006	4.84
FO210000	0001 100 001	0001	0.81
PC140000	0005 100 004	0005	4.03
VG711000	0009 100 007	0009	7.26

Z DISTRIBUTION CONTAINER TYPE (PRI) TRANSFORMER

NO. OF INCIDENTS 124. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.13

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
KQ630000	0004 100 003	0004	3.23
CZ630000	0001 100 001	0001	0.81
BR905000	0001 100 001	0001	0.81
TT210000	0002 100 002	0002	1.61
XS525000	0003 100 002	0003	2.42
MX090000	0007 100 006	0007	5.65
TQ135000	0009 100 007	0009	7.26
ZE210000	0001 100 001	0001	0.81

Z DISTRIBUTION CONTAINER TYPE (PRI) TRANSFORMER

NO. OF INCIDENTS 124. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.13

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
BQ962500	0001 100 001	0001	0.81
TT282500	0002 100 002	0002	1.61
LP892500	0002 100 002	0002	1.61
AT070000	0002 100 002	0002	1.61
MW787500	0001 100 001	0001	0.81
NT805000	0002 100 002	0002	1.61
AT525000	0001 100 001	0001	0.81
EL647500	0002 100 002	0002	1.61

Z DISTRIBUTION CONTAINER TYPE (PRI) TRANSFORMER

NO. OF INCIDENTS 124. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.13

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
GS717500	0002 100 002	0002	1.61
EO267500	0002 100 002	0002	1.61
QB245000	0001 100 001	0001	0.81
CY140000	0001 100 001	0001	0.81
PA805000	0001 100 001	0001	0.81
WM840000	0002 100 002	0002	1.61
PB980000	0002 100 002	0002	1.61
TH489700	0002 100 002	0002	1.61

Z DISTRIBUTION CONTAINER TYPE (PRI) TRANSFORMER

NO. OF INCIDENTS 124. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.13

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
DA647500	0001 100 001	0001	0.81
XM515000	0003 100 002	0003	2.42
NH348500	0002 100 002	0002	1.61
XP875000	0002 100 002	0002	1.61
TH367500	0002 100 002	0002	1.61
KI577500	0001 100 001	0001	0.81
DM660000	0003 100 002	0003	2.42
JP210000	0002 100 002	0002	1.61

Z DISTRIBUTION CONTAINER TYPE (PRI) TRANSFORMER

NO. OF INCIDENTS 124. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.13

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
VZ752500	0003 100 002	0003	2.42
TOTAL	0124		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) TRENCH

NO. OF INCIDENTS 3. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.10

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
TQ135000	0002 100 067	0002	66.67
SE755500	0001 100 033	0001	33.33
TOTAL	0003		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) TRUCK TRAILER, BULK

NO. OF INCIDENTS 6. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.20

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WB490000	0001 100 017	0001	16.67
BR905000	0003 100 050	0003	50.00
LP892500	0001 100 017	0001	16.67
EW310000	0001 100 017	0001	16.67
TOTAL	0006		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) TRUCK, TANK

NO. OF INCIDENTS 113. PERCENTAGE OF ALL INCIDENTS IN REPORT 3.76

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0029 100 026	0029	25.66
MW402500	0016 100 014	0016	14.16
TB630000	0005 100 004	0005	4.42
BO087500	0017 100 015	0017	15.04
WB490000	0004 100 004	0004	3.54
QU577500	0006 100 005	0006	5.31
PC140000	0001 100 001	0001	0.88
VG711000	0002 100 002	0002	1.77

Z DISTRIBUTION CONTAINER TYPE (PRI) TRUCK, TANK

NO. OF INCIDENTS 113. PERCENTAGE OF ALL INCIDENTS IN REPORT 3.76

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
XS525000	0003 100 003	0003	2.65
WL367500	0002 100 002	0002	1.77
TQ135000	0003 100 003	0003	2.65
ZE210000	0001 100 001	0001	0.88
BQ962500	0001 100 001	0001	0.88
LP892500	0001 100 001	0001	0.88
AT070000	0003 100 003	0003	2.65
MW787500	0001 100 001	0001	0.88

Z DISTRIBUTION CONTAINER TYPE (PRI) TRUCK, TANK

NO. OF INCIDENTS 113. PERCENTAGE OF ALL INCIDENTS IN REPORT 3.76

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
NT805000	0003 100 003	0003	2.65
AT525000	0002 100 002	0002	1.77
QW972000	0002 100 002	0002	1.77
SE755500	0002 100 002	0002	1.77
MW961000	0001 100 001	0001	0.88
MX122500	0001 100 001	0001	0.88
AE122500	0001 100 001	0001	0.88
DA647500	0001 100 001	0001	0.88

Z DISTRIBUTION CONTAINER TYPE (PRI) TRUCK, TANK

NO. OF INCIDENTS 113. PERCENTAGE OF ALL INCIDENTS IN REPORT 3.76

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
TH367500	0001 100 001	0001	0.88
KX455000	0001 100 001	0001	0.88
DA550000	0003 100 003	0003	2.65
TOTAL	0113		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) TRAILER, TANK

NO. OF INCIDENTS 287. PERCENTAGE OF ALL INCIDENTS IN REPORT 9.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0051 100 018	0051	17.77
MW402500	0043 100 015	0043	14.98
TB630000	0022 100 008	0022	7.67
BO087500	0024 100 008	0024	8.36
WB490000	0028 100 010	0028	9.76
QU577500	0022 100 008	0022	7.67
PC140000	0005 100 002	0005	1.74
AF122500	0005 100 002	0005	1.74

Z DISTRIBUTION CONTAINER TYPE (PRI) TRAILER, TANK

NO. OF INCIDENTS 287. PERCENTAGE OF ALL INCIDENTS IN REPORT 9.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
VG711000	0009 100 003	0009	3.14
KQ630000	0003 100 001	0003	1.05
CZ630000	0003 100 001	0003	1.05
BR905000	0006 100 002	0006	2.09
TT210000	0001 100	0001	0.35
XS525000	0008 100 003	0008	2.79
SJ332500	0006 100 002	0006	2.09
WL367500	0003 100 001	0003	1.05

Z DISTRIBUTION CONTAINER TYPE (PRI) TRAILER, TANK

NO. OF INCIDENTS 287. PERCENTAGE OF ALL INCIDENTS IN REPORT 9.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
TQ135000	0002 100 001	0002	0.70
ZE210000	0004 100 001	0004	1.39
BQ962500	0002 100 001	0002	0.70
LP892500	0001 100	0001	0.35
AT070000	0002 100 001	0002	0.70
MW787500	0003 100 001	0003	1.05
NT805000	0003 100 001	0003	1.05
AT525000	0001 100	0001	0.35

Z DISTRIBUTION CONTAINER TYPE (PRI) TRAILER, TANK

NO. OF INCIDENTS 287. PERCENTAGE OF ALL INCIDENTS IN REPORT 9.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
EL647500	0001 100	0001	0.35
SE755500	0004 100 001	0004	1.39
QB245000	0001 100	0001	0.35
MW961000	0001 100	0001	0.35
CY140000	0001 100	0001	0.35
TX227500	0002 100 001	0002	0.70
OZ507500	0003 100 001	0003	1.05
AK192500	0001 100	0001	0.35

Z DISTRIBUTION CONTAINER TYPE (PRI) TRAILER, TANK

NO. OF INCIDENTS 287. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
PAB05000	0002 100 001	0002	0.70
LQ490000	0001 100	0001	0.35
TH489700	0001 100	0001	0.35
DA647500	0001 100	0001	0.35
LU595000	0003 100 001	0003	1.05
VV822500	0002 100 001	0002	0.70
KI577500	0001 100	0001	0.35
VZ752500	0001 100	0001	0.35

Z DISTRIBUTION CONTAINER TYPE (PRI) TRAILER, TANK

NO. OF INCIDENTS 287. PERCENTAGE OF ALL INCIDENTS IN REPORT 9.56

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

X / Y		TOT	%
E0140000	0002 100 001	0002	0.70
FX573000	0001 100	0001	0.35
QA550000	0001 100	0001	0.35
TOTAL	0287		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) PROCESSING EQUIPMENT

NO. OF INCIDENTS 5. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.17

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
80087500	0001 100 020	0001	20.00
SJ332500	0002 100 040	0002	40.00
TQ135000	0001 100 020	0001	20.00
CV140000	0001 100 020	0001	20.00
TOTAL	0005		
%	100		

Z DISTRIBUTION CONTAINER TYPE (PRI) VAT

NO. OF INCIDENTS 0. PERCENTAGE OF ALL INCIDENTS IN REPORT 0.0

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

Z DISTRIBUTION CONTAINER TYPE (PRI) UNKNOWN

NO. OF INCIDENTS 128. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.26

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
WS560000	0013 100 010	0013	10.16
MW402500	0020 100 016	0020	15.63
TB630000	0002 100 002	0002	1.56
BO087500	0012 100 009	0012	9.38
WB490000	0004 100 003	0004	3.13
QU577500	0003 100 002	0003	2.34
FO210000	0010 100 008	0010	7.81
PC140000	0002 100 002	0002	1.56

Z DISTRIBUTION CONTAINER TYPE (PRI) UNKNOWN

NO. OF INCIDENTS 128. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.26

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
VG711000	0003 100 002	0003	2.34
KQ630000	0002 100 002	0002	1.56
CZ630000	0001 100 001	0001	0.78
BR905000	0001 100 001	0001	0.78
XS525000	0002 100 002	0002	1.56
MX090000	0002 100 002	0002	1.56
SJ332500	0007 100 005	0007	5.47
WL367500	0002 100 002	0002	1.56

Z DISTRIBUTION CONTAINER TYPE (PRI) UNKNOWN

NO. OF INCIDENTS 128. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.26

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
TQ135000	0005 100 004	0005	3.91
ZE210000	0005 100 004	0005	3.91
BQ962500	0001 100 001	0001	0.78
TT282500	0002 100 002	0002	1.56
LP892500	0003 100 002	0003	2.34
MW787500	0001 100 001	0001	0.78
QW972000	0002 100 002	0002	1.56
EL647500	0002 100 002	0002	1.56

Z DISTRIBUTION CONTAINER TYPE (PRI) UNKNOWN

NO. OF INCIDENTS 128. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.26

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
GS717500	0003 100 002	0003	2.34
ED267500	0001 100 001	0001	0.78
GB245000	0001 100 001	0001	0.78
MW961000	0002 100 002	0002	1.56
TX227500	0002 100 002	0002	1.56
OZ507500	0001 100 001	0001	0.78
MX122500	0001 100 001	0001	0.78
EW310000	0001 100 001	0001	0.78

Z DISTRIBUTION CONTAINER TYPE (PRI) UNKNOWN

NO. OF INCIDENTS 128. PERCENTAGE OF ALL INCIDENTS IN REPORT 4.26

X= FOR ALL PARAMETERS

Y= SPILL MATERIAL (PRIMARY)

\X Y\		TOT	%
FG490000	0002 100 002	0002	1.56
TH489700	0001 100 001	0001	0.78
XM515000	0001 100 001	0001	0.78
FS910000	0002 100 002	0002	1.56
VV822500	0001 100 001	0001	0.78
KU962500	0001 100 001	0001	0.78
FX573000	0001 100 001	0001	0.78
TOTAL	0128		
%	100		

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

WS560000	SULFURIC ACID
MW402500	HYDROCHLORIC ACID
T8630000	PHOSPHORIC ACID
BO087500	AMMONIA
WB490000	SODIUM HYDROXIDE
QU577500	NITRIC ACID
FO210000	CHLORINE
PC140000	METHANOL
AF122500	ACETIC ACID
VG711000	RESIN
KQ630000	ETHYL ALCOHOL
CZ630000	BENZENE DIISOYANATO MENTHYL
BR905000	AMMONIUM NITRATE FERTILIZER
TT210000	POTASSIUM HYDROXIDE
XS525000	TOLUNE
MX090000	HYDROGEN PEROXIDE
SJ332500	PHENOL
WL367500	STYRENE
TQ135000	POLYCHLORINATED BIPHENYLS
ZE210000	XYLENE
BQ962500	AMMONIUM HYDROXIDE
AL312500	OACETONE
TT282500	POTASSIUM HYPOCHLORITE
LP892500	FORMALDEHYDE
AT070000	ACRYLIC ACID ETHYL ESTER
MW787500	HYDROFLUORIC ACID
NT805000	ISOPROPYL ALCOHOL
AT525000	ACRYLONITRILE

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

QW972000	NITROGEN CRYOGENIC LIQUID
EL647500	BUTANONE
SE755500	PETROLEUM SPIRITS
GS717500	CYANIDE
ED267500	BORATE TETRAFLUORO
GB245000	CHROMIC ACID
MW961000	HYDROJEN CHLORIDE
CY140000	BENZENL
TX227500	PROPANE
OZ207500	METHACRYLIC ACID
OZ507500	METHACRYLIC ACID MFTHYL ESTER
AK192500	ACETIC ANHYDRIDE
MX122500	HYDROGEN SULFIDE
PA805000	METHANE DICHLORO
LQ490000	FORMIC ACID
AE122500	ACETANILIDE
SC750000	PERCHLORIC ACID
EW310000	CALCIUM OXIDE
UR840000	PYRIDINE
WM840000	CALCIUM OXIDE
PB980000	METHANOINDAN
FG490000	CARBON TETRACHLORIDE
TH489700	PHOSHPORYL CHLORIDE
DA647500	BENZENE NITRO-
XM515000	THIONYL CHLORIDE
NH348500	HYDROCHLOROUS ACID CALCIUM SALT
FS910000	CHLOROFORM
XP875000	TIN CHLORIDE

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

LU595000	FURAN TETRAHYDRO
TH367500	PHOSPHOROUS CHLORIDE
VV822500	SILICATE HEXAFLUORO DIHYDROGEN
KI577500	ETHANE OXYBIS
KU962500	ETHYLENE CHLORO
AB192500	ACETALDEHYDE
DM660000	BENZOYL CHLORIDE
JP210000	DITHIOIXOUS ACID DISODIUM SALT
VZ752500	SODIUM CYANIDE
EO140000	BUTYL ALCOHOL
FX573000	CHLOROSULFURIC ACID
TD927500	PHOSPHORODITHIOIC ACID DIETHYL ESTER
KX455000	ETHYLENE TRICHLORO
OA550000	KEROSENE

APPENDIX B-9

OPERATOR INJURIES FOR 70 SELECTED MATERIALS

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 316. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= OP. PERSONNEL INJURIES

Y= SPILL MATERIAL (PRIMARY)

X \ Y	01	02	03	04	05	06	07	08	09	TOT	%
WS560000	0064 081 033	0008 010 018	0004 005 018		0001 001 017		0001 001 011		0001 001 005	0079	25.00
MW402500	0013 059 007	0003 014 007	0003 014 014		0001 005 017			0001 005 013	0001 005 005	0022	6.96
TB63QC00	0009 060 005	0004 027 009				0002 013 033				0015	4.75
BD087500	0018 039 007	0007 021 016	0003 009 014	0001 003 017	0001 003 017	0002 006 033	0002 006 022		0004 012 020	0033	10.44
WB490000	0017 074 009	0002 009 004	0002 009 009				0001 004 011		0001 004 005	0023	7.28
QU577500	0007 050 004	0001 007 002	0001 007 005	0002 014 033	0001 007 017		0001 007 011		0001 007 005	0014	4.43
FD210000	0013 035 007	0003 014 011	0004 011 018	0001 003 017		0001 003 017	0003 008 033	0006 016 075	0004 011 020	0037	11.71
AF122500	0003 075 002	0001 025 002								0004	1.27

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 316. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= OP. PERSONNEL INJURIES

Y= SPILL MATERIAL (PRIMARY)

\X Y\	01	02	03	04	05	06	07	08	09	TOT	%
CZ630000	0001 050 001		0001 050 005							0002	0.63
BR905000	0002 067 001			0001 033 017						0003	0.95
YT210000	0002 100 001									0002	0.63
XS525000	0001 033 001	0002 067 004								0003	0.95
MX090000	0001 020 001	0003 060 007		0001 020 017						0005	1.58
SJ332500	0004 100 002									0004	1.27
WL367500	0004 100 002									0004	1.27
ZE210000	0001 100 001									0001	0.32

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 316. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= OP. PERSONNEL INJURIES

Y= SPILL MATERIAL (PRIMARY)

\X Y\	01	02	03	04	05	06	07	08	09	TOT	%
BQ962500	0001 050 001								0001 050 005	0002	0.63
TT282500	0001 100 001									0001	0.32
LP892500	0003 075 002				0001 025 017					0004	1.27
AT070000	0001 100 001									0001	0.32
MW787500	0004 080 002	0001 020 002								0005	1.58
AT525000	0002 100 001									0002	0.63
QW972000	0001 100 001									0001	0.32
EL647500	0001 100 001									0001	0.32

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 316. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= OP. PERSONNEL INJURIES

Y= SPILL MATERIAL (PRIMARY)

\X Y\	01	02	03	04	05	06	07	08	09	TOT	%
SE755500	0001 025 001	0002 050 004							0001 025 005	0004	1.27
MW981000	0002 050 001					0001 025 017			0001 025 005	0004	1.27
OZ507500	0001 033 001	0001 033 002	0001 033 005							0003	0.95
AK192500	0002 067 001	0001 033 002								0003	0.95
MX122500	0002 050 001	0001 025 002							0001 025 005	0004	1.27
PA805000	0003 100 002									0003	0.95
UR840000								0001 050 013	0001 050 005	0002	0.63
PB980000	0001 050 001	0001 050 002								0002	0.63

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 316. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= OP. PERSONNEL INJURIES

Y= SPILL MATERIAL (PRIMARY)

\X Y\	01	02	03	04	05	06	07	08	09	TOT	%
TH489700									0001 100 005	0001	0.32
DA647500	0003 075 002	0001 025 002								0004	1.27
XM515000	0002 100 001									0002	0.63
XP875000									0001 100 005	0001	0.32
LU595000	0002 100 001									0002	0.63
TH367500	0002 100 001									0002	0.63
KU962500			0002 050 009		0001 025 017		0001 025 011			0004	1.27
DM660000		0001 100 002								0001	0.32

Z DISTRIBUTION FOR ALL PARAMETERS

NO. OF INCIDENTS 316. PERCENTAGE OF ALL INCIDENTS IN REPORT 100.00

X= OP. PERSONNEL INJURIES

Y= SPILL MATERIAL (PRIMARY)

\X Y\	01	02	03	04	05	06	07	08	09	TOT	%
VZ752500	0001 100 001									0001	0.32
FX573000	0001 050 001		0001 050 005							0002	0.63
KX455000	0001 050 001								0001 050 005	0002	0.63
DA550000	0001 100 001									0001	0.32
TOTAL	0194	0045	0022	0006	0006	0006	0009	0008	0020		
%	061	014	007	002	002	002	003	003	006		

KEY OF CODES FOR OP. PERSONNEL INJURIES

1	0.1000E+01
2	0.2000E+01
3	0.3000E+01
4	0.4000E+01
5	0.5000E+01
6	0.6000E+01
7	0.7000E+01
8	0.8000E+01
9	0.9000E+01

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

WS560000	SULFURIC ACID
MW402500	HYDROCHLORIC ACID
TB630000	PHOSPHORIC ACID
BO087500	AMMONIA
WB490000	SODIUM HYDROXIDE
QU577500	NITRIC ACID
FO210000	CHLORINE
PC140000	METHANOL
AF122500	ACETIC ACID
VG711000	RESIN
KQ630000	ETHYL ALCOHOL
CZ630000	BENZENE DIISOYANATO MENTHYL
BR905000	AMMONIUM NITRATE FERTILIZER
TT210000	POTASSIUM HYDROXIDE
XS525000	TOLUNE
MX090000	HYDROGEN PEROXIDE
SJ332500	PHENOL
WL367500	STYRENE
TQ135000	POLYCHLORINATED BIPHENYLS
ZE210000	XYLENE
BQ962500	AMMONIUM HYDROXIDE
AL312500	OACETONE
TT282500	POTASSIUM HYPOCHLORITE
LP892500	FORMALDEHYDE
AT070000	ACRYLIC ACID ETHYL ESTER
MW787500	HYDROFLJORIC ACID
NT805000	ISOPROPYL ALCOHOL

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

QW972000	NITROGEN CRYOGENIC LIQUID
EL647500	BUTANONE
SE755500	PETROLEUM SPIRITS
GS717500	CYANIDE
ED267500	BORATE TETRAFLUORO
GB245000	CHROMIC ACID
MW961000	HYDROGEN CHLORIDE
CY140000	BENZENE
TX227500	PROPANE
OZ297500	METHACRYLIC ACID
OZ507500	METHACRYLIC ACID METHYL ESTER
AK192500	ACETIC ANHYDRIDE
MX122500	HYDROGEN SULFIDE
PA805000	METHANE DICHLORO
LQ490000	FORMIC ACID
AE122500	ACETANILIDE
SC750000	PERCHLORIC ACID
EW310000	CALCIUM OXIDE
UR840000	PYRIDINE
WM840000	CALCIUM OXIDE
PB980000	METHANOINDAN
FG490000	CARBON TETRACHLORIDE
TH489700	PHOSHPORYL CHLORIDE
DA647500	BENZENE NITRO-
XM515000	THIONYL CHLORIDE
NH348500	HYDROCHLOROUS ACID CALCIUM SALT
FS910000	CHLORJFORM
XP875000	TIN CHLORIDE

KEY OF CODES FOR SPILL MATERIAL (PRIMARY)

LU595000	FURAN TETRAHYDRO
TH367500	PHOSPHOROUS CHLORIDE
VV822500	SILICATE HEXAFLUORO DIHYDROGEN
KI577500	ETHANE OXYBIS
KU962500	ETHYLENE CHLORO
AB192500	ACETALDEHYDE
DM660000	BENZOYL CHLORIDE
JP210000	DITHIOIXOUS ACID DISODIUM SALT
VZ752500	SODIUM CYANIDE
EO140000	BUTYL ALCOHOL
FX573000	CHLOROSULFURIC ACID
TO927500	PHOSPHORODITHIOIC ACID DIETHYL ESTER
KX455000	ETHYLENE TRICHLORO
OA550000	KEROSENE

```
NO. OF INVALID MATERIAL CODES FOUND          :    0
NO. BLANK Z PARAMETERS FOUND (NON-NUM.)      :    0
NO. BLANK X PARAMETERS FOUND (NON-NUM.)      :    0
NO. BLANK Y PARAMETERS FOUND (NON-NUM.)      :    0
NO. OF INVALID CODES FOR Z PARAMETER FOUND   :    0
NO. OF INVALID CODES FOR X PARAMETER FOUND   :    0
NO. OF INVALID CODES FOR Y PARAMETER FOUND   :    0
NO. OF NUMERIC ERRORS FOR Z PARAMETER FOUND  :    0
NO. OF NUMERIC ERRORS FOR X PARAMETER FOUND  :    0
NO. OF NUMERIC ERRORS FOR Y PARAMETER FOUND  :    0
NO. INCIDENTS OF BLANK OR 0-FILLED NUMERICS  : 5143
NO. OF NUMERIC ERRORS ENCOUNTERED IN SUBEPA  :    0
NO. OF UNIT ERRORS ENCOUNTERED IN SUBEPA     :    0
NO. OF 3 TIME OCCURANCES OF BLANK OR
                  UNKNOWN UNITS IN SUBEPA    :    0

NUMBER OF INCIDENTS READ '5615
```

APPENDIX C

MATERIAL DISTRIBUTIONS

Contained in this Appendix are data regarding all (identified) materials encountered during this study. Spills involving a given material are divided into two categories: those reported in mass units (converted to kilograms); and those reported in volumetric units (converted to liters). Both categories provide basic spill size distributions. The category of spills reported in mass units have Hazard Potential distributions calculated also.

MATERIAL CODE AB192500 MATERIAL NAME ACETALDEHYDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+05	2	0.622D+06	0
0.113D+06	0	0.679D+06	0
0.170D+06	0	0.735D+06	0
0.226D+06	0	0.792D+06	0
0.283D+06	0	0.848D+06	0
0.339D+06	0	0.905D+06	0
0.396D+06	0	0.961D+06	0
0.452D+06	0	0.102D+07	0
0.509D+06	0	0.107D+07	0
0.566D+06	0	0.113D+07	1

LARGEST SPILL (LITERS) 0.113D+07 SMALLEST SPILL (LITERS) 0.756D+03 AVE SPILL 0.379D+06 TOT AMT SPILLED 0.114D+07

NUMBER OF SPILLS 3

MATERIAL CODE AB770000 MATERIAL NAME ACETAMIDE DIMETHYL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.191D-03 SMALLEST HAZARD POTEN. 0.191D-03 AVE HZ. PT. 0.191D-03 TOT HAZARD PT. 0.191D-03

NUMBER OF SPILLS 1

MATERIAL CODE ACETATE MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+01	0	0.831D+02	0
0.151D+02	0	0.907D+02	0
0.227D+02	0	0.982D+02	0
0.302D+02	0	0.106D+03	0
0.378D+02	0	0.113D+03	0
0.453D+02	0	0.121D+03	0
0.529D+02	0	0.128D+03	0
0.605D+02	0	0.136D+03	0
0.680D+02	0	0.144D+03	0
0.756D+02	0	0.151D+03	1

LARGEST SPILL (LITERS) 0.151D+03 SMALLEST SPILL (LITERS) 0.151D+03 AVE SPILL 0.151D+03 TOT AMT SPILLED 0.151D+03

NUMBER OF SPILLS 1

MATERIAL CODE ACID MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	5	0.248D+02	0
0.450D+01	0	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	0	0.315D+02	0
0.113D+02	0	0.338D+02	0
0.135D+02	0	0.360D+02	0
0.158D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	1	0.450D+02	1

LARGEST SPILL (KGRAMS) 0.450D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.101D+02 TOT AMT SPILLED 0.710D+02

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT. HAZARD PT. 0.0

NUMBER OF SPILLS 7

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+03	54	0.622D+04	0
0.113D+04	0	0.679D+04	0
0.170D+04	0	0.735D+04	0
0.226D+04	0	0.792D+04	0
0.283D+04	0	0.848D+04	0
0.339D+04	0	0.905D+04	0
0.396D+04	0	0.961D+04	0
0.452D+04	0	0.102D+05	0
0.509D+04	0	0.107D+05	0
0.566D+04	0	0.113D+05	1

LARGEST SPILL (LITERS) 0.113D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.239D+03 TOT AMT SPILLED 0.132D+05

NUMBER OF SPILLS 55

MATERIAL CODE ACIDCYT MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.600D+00	0	0.210D+01	0
0.750D+00	0	0.225D+01	0
0.900D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE ACIDG30 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (KGRAMS) 0.300D+01 SMALLEST SPILL (KGRAMS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT 0.0 TOT HAZARD PT 0.0

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.193D+03	22	0.213D+04	0
0.386D+03	1	0.232D+04	0
0.580D+03	0	0.251D+04	0
0.773D+03	0	0.270D+04	0
0.966D+03	1	0.290D+04	0
0.116D+04	0	0.309D+04	0
0.135D+04	0	0.328D+04	0
0.155D+04	0	0.348D+04	0
0.174D+04	0	0.367D+04	0
0.193D+04	0	0.386D+04	2

LARGEST SPILL (LITERS) 0.386D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.358D+03 TOT AMT SPILLED 0.9[illegible]2D+04

NUMBER OF SPILLS 26

MATERIAL CODE ACID0000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.416D+02	0	0.458D+03	0
0.833D+02	1	0.500D+03	0
0.125D+03	0	0.541D+03	0
0.167D+03	0	0.583D+03	0
0.208D+03	0	0.625D+03	0
0.250D+03	0	0.666D+03	0
0.291D+03	0	0.708D+03	0
0.333D+03	0	0.750D+03	0
0.375D+03	0	0.791D+03	0
0.416D+03	0	0.833D+03	1

LARGEST SPILL (LITERS) 0.832D+03 SMALLEST SPILL (LITERS) 0.560D+02 AVE SPILL 0.444D+03 TOT AMT SPILLED 0.888D+03

NUMBER OF SPILLS 2

MATERIAL CODE AE122500 MATERIAL NAME ACETANILIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.809D-03 SMALLEST HAZARD POTEN. 0.809D-03 AVE. HZ. PT. 0.809D-03 TOT HAZARD PT. 0.809D-03

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.137D+03	5	0.151D+04	0
0.274D+03	2	0.165D+04	0
0.411D+03	1	0.178D+04	0
0.549D+03	0	0.192D+04	0
0.686D+03	0	0.206D+04	0
0.823D+03	0	0.219D+04	0
0.950D+03	0	0.233D+04	0
0.110D+04	0	0.247D+04	0
0.123D+04	0	0.261D+04	1
0.137D+04	0	0.274D+04	1

LARGEST SPILL (LITERS) 0.274D+04 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.614D+03 TOT AMT SPILLED 0.614D+04

NUMBER OF SPILLS 10

MATERIAL CODE AF122500 MATERIAL NAME ACETIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.931D+03	3	0.102D+05	0
0.186D+04	0	0.112D+05	0
0.279D+04	0	0.121D+05	0
0.372D+04	0	0.130D+05	0
0.465D+04	0	0.140D+05	0
0.559D+04	0	0.149D+05	0
0.652D+04	0	0.158D+05	0
0.745D+04	0	0.168D+05	0
0.838D+04	0	0.177D+05	0
0.931D+04	0	0.186D+05	1

LARGEST SPILL (KGRAMS) 0.186D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.465D+04 TOT AMT SPILLED 0.186D+05

LARGEST HAZARD POTEN. 0.546D+01 SMALLEST HAZARD POTEN. 0.293D-03 AVE HZ. PT. 0.137D+01 TOT HAZARD PT. 0.547D+01

NUMBER OF SPILLS 4

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.390D+04	34	0.429D+05	0
0.780D+04	1	0.468D+05	0
0.117D+05	1	0.507D+05	0
0.156D+05	0	0.546D+05	0
0.195D+05	0	0.585D+05	0
0.234D+05	1	0.624D+05	0
0.273D+05	0	0.663D+05	0
0.312D+05	0	0.702D+05	0
0.351D+05	0	0.741D+05	0
0.390D+05	0	0.780D+05	2

LARGEST SPILL (LITERS) 0.779D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.481D+04 TOT AMT SPILLED 0.188D+06

NUMBER OF SPILLS 39

MATERIAL CODE AF735000 MATERIAL NAME ACETIC ACID BUTYL ESTER 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.397D+03	0	0.437D+04	0
0.794D+03	0	0.478D+04	0
0.119D+04	0	0.516D+04	0
0.159D+04	0	0.556D+04	0
0.198D+04	0	0.595D+04	0
0.238D+04	0	0.635D+04	0
0.278D+04	0	0.675D+04	0
0.318D+04	0	0.714D+04	0
0.357D+04	0	0.754D+04	0
0.397D+04	0	0.794D+04	1

LARGEST SPILL (KGRAMS) 0.793D+04 SMALLEST SPILL (KGRAMS) 0.793D+04 AVE SPILL 0.793D+04 TOT AMT SPILLED 0.793D+04

LARGEST HAZARD POTEN. 0.550D+00 SMALLEST HAZARD POTEN. 0.550D+00 AVE HZ. PT. 0.550D+00 TOT HAZARD PT. 0.550D+00

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	1	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.400D+01

NUMBER OF SPILLS 2

MATERIAL CODE AF857500 MATERIAL NAME ACETIC ACID CHLORO- 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+01	0	0.622D+02	0
0.113D+02	0	0.679D+02	0
0.170D+02	0	0.735D+02	0
0.226D+02	0	0.792D+02	0
0.283D+02	0	0.848D+02	0
0.339D+02	0	0.905D+02	0
0.396D+02	0	0.961D+02	0
0.452D+02	0	0.102D+03	0
0.509D+02	0	0.107D+03	0
0.566D+02	0	0.113D+03	1

LARGEST SPILL (KGRAMS) 0.113D+03 SMALLEST SPILL (KGRAMS) 0.113D+03 AVE SPILL 0.113D+03 TOT AMT SPILLED 0.113D+03

LARGEST HAZARD POTEN. 0.144D+01 SMALLEST HAZARD POTEN. 0.144D+01 AVE HZ. PT. 0.144D+01 TOT HAZARD PT. 0.144D+01

NUMBER OF SPILLS 1

MATERIAL CODE AH542500 MATERIAL NAME ACETIC ACID ETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.163D+04	5	0.179D+05	0
0.325D+04	0	0.195D+05	0
0.488D+04	0	0.211D+05	0
0.651D+04	0	0.228D+05	0
0.813D+04	0	0.244D+05	0
0.976D+04	0	0.260D+05	0
0.114D+05	0	0.277D+05	0
0.130D+05	0	0.293D+05	0
0.146D+05	0	0.309D+05	0
0.163D+05	0	0.325D+05	1

LARGEST SPILL (LITERS) 0.325D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.555D+04 TOT AMT SPILLED 0.333D+05

NUMBER OF SPILLS 6

MATERIAL CODE AH980000 MATERIAL NAME ACETIC ACID GLACIAL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE AI402500 MATERIAL NAME ACETIC ACID ISOBUTYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+02	2	0.208D+03	0
0.378D+02	0	0.227D+03	0
0.568D+02	0	0.246D+03	0
0.757D+02	0	0.265D+03	0
0.946D+02	0	0.284D+03	0
0.114D+03	0	0.303D+03	0
0.132D+03	0	0.322D+03	0
0.151D+03	0	0.341D+03	0
0.170D+03	0	0.359D+03	0
0.189D+03	1	0.378D+03	1

LARGEST SPILL (LITERS) 0.378D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.142D+03 TOT AMT SPILLED 0.569D+03

NUMBER OF SPILLS 4

MATERIAL CODE AI493000 MATERIAL NAME ACETIC ACID ISOPROPLY ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.470D+01	0	0.518D+02	0
0.941D+01	0	0.565D+02	0
0.141D+02	0	0.612D+02	0
0.188D+02	1	0.659D+02	0
0.235D+02	0	0.706D+02	0
0.282D+02	0	0.753D+02	0
0.329D+02	0	0.800D+02	0
0.376D+02	0	0.847D+02	0
0.423D+02	0	0.894D+02	0
0.470D+02	0	0.941D+02	1

LARGEST SPILL (LITERS) 0.940D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.560D+02 TOT AMT SPILLED 0.112D+03

NUMBER OF SPILLS 2

MATERIAL CODE AI595000 MATERIAL NAME ACETIC ACID MERCAPTO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.136D+02	0	0.150D+03	0
0.272D+02	0	0.163D+03	0
0.408D+02	0	0.177D+03	0
0.545D+02	0	0.191D+03	0
0.681D+02	0	0.204D+03	0
0.817D+02	0	0.218D+03	0
0.953D+02	0	0.231D+03	0
0.109D+03	0	0.245D+03	0
0.123D+03	0	0.259D+03	0
0.136D+03	0	0.272D+03	1

LARGEST SPILL (KGRAMS) 0.272D+03 SMALLEST SPILL (KGRAMS) 0.272D+03 AVE SPILL 0.272D+03 TOT AMT SPILLED 0.272D+03

LARGEST HAZARD POTEN. 0.106D+01 SMALLEST HAZARD POTEN. 0.106D+01 AVE HZ. PT. 0.106D+01 TOT HAZARD PT. 0.106D+01

NUMBER OF SPILLS 1

MATERIAL CODE AJ367500 MATERIAL NAME ACETIC ACID PROPYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.189D+03

NUMBER OF SPILLS 1

MATERIAL CODE AJ757900 MATERIAL NAME ACETIC ACID TOLYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	0	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.110D+02 AVE SPILL 0.110D+02 TOT AMT SPILLED 0.110D+02

NUMBER OF SPILLS 1

MATERIAL CODE AJ787500 MATERIAL NAME ACETIC ACID TRICHLORO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.100D+00	0	0.110D+01	0
0.200D+00	0	0.120D+01	0
0.300D+00	0	0.130D+01	0
0.400D+00	0	0.140D+01	0
0.500D+00	0	0.150D+01	0
0.601D+00	0	0.160D+01	0
0.701D+00	0	0.170D+01	0
0.801D+00	0	0.180D+01	0
0.901D+00	0	0.190D+01	0
0.100D+01	0	0.200D+01	1

LARGEST SPILL (KGRAMS) 0.200D+01 SMALLEST SPILL (KGRAMS) 0.200D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.344D-03 SMALLEST HAZARD POTEN. 0.344D-03 AVE HZ. PT. 0.344D-03 TOT HAZARD PT. 0.344D-03

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE AK087500 MATERIAL NAME ACETIC ACID VINYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	2

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.200D+01

NUMBER OF SPILLS 2

MATERIAL CODE AK105000 MATERIAL NAME ACETIC ACID XYLOXY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE AK192500 MATERIAL NAME ACETIC ANHYDRIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.227D+02	1	0.249D+03	0
0.453D+02	0	0.272D+03	0
0.680D+02	0	0.295D+03	0
0.907D+02	0	0.317D+03	0
0.113D+03	0	0.340D+03	0
0.136D+03	0	0.363D+03	0
0.159D+03	0	0.385D+03	0
0.181D+03	0	0.408D+03	0
0.204D+03	0	0.431D+03	0
0.227D+03	0	0.453D+03	1

LARGEST SPILL (KGRAMS) 0.453D+03 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.227D+03 TOT AMT SPILLED 0.454D+03

LARGEST HAZARD POTEN. 0.247D+00 SMALLEST HAZARD POTEN. 0.545D-03 AVE HZ. PT. 0.124D+00 TOT HAZARD PT. 0.248D+00

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.142D+04	11	0.156D+05	0
0.283D+04	0	0.170D+05	0
0.425D+04	0	0.184D+05	0
0.567D+04	0	0.198D+05	0
0.708D+04	0	0.212D+05	0
0.850D+04	0	0.227D+05	0
0.991D+04	0	0.241D+05	0
0.113D+05	0	0.255D+05	0
0.127D+05	0	0.269D+05	0
0.142D+05	0	0.283D+05	1

LARGEST SPILL (LITERS) 0.283D+05 SMALLEST SPILL (LITERS) 0.200D+01 AVE SPILL 0.248D+04 TOT AMT SPILLED 0.297D+05

NUMBER OF SPILLS 12

MATERIAL CODE AK297500 MATERIAL NAME ACETIMIDIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.160D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE ALKALIN MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.280D+01	1	0.308D+02	0
0.561D+01	0	0.336D+02	0
0.841D+01	0	0.364D+02	0
0.112D+02	0	0.392D+02	0
0.140D+02	0	0.420D+02	0
0.168D+02	0	0.448D+02	0
0.196D+02	0	0.476D+02	0
0.224D+02	0	0.505D+02	0
0.252D+02	0	0.533D+02	0
0.280D+02	0	0.561D+02	1

LARGEST SPILL (LITERS) 0.560D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.285D+02 TOT AMT SPILLED 0.570D+02

NUMBER OF SPILLS 2

MATERIAL CODE AL315000 MATERIAL NAME ACETONE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.230D+01	0	0.253D+02	0
0.460D+01	0	0.276D+02	0
0.691D+01	0	0.299D+02	0
0.921D+01	0	0.322D+02	0
0.115D+02	0	0.345D+02	0
0.138D+02	0	0.368D+02	0
0.161D+02	0	0.391D+02	0
0.184D+02	0	0.414D+02	0
0.207D+02	0	0.437D+02	0
0.230D+02	0	0.460D+02	1

LARGEST SPILL (KGRAMS) 0.460D+02 SMALLEST SPILL (KGRAMS) 0.460D+02 AVE SPILL 0.460D+02 TOT AMT SPILLED 0.460D+02

LARGEST HAZARD POTEN. 0.458D-02 SMALLEST HAZARD POTEN. 0.458D-02 AVE HZ. PT. 0.458D-02 TOT HAZARD PT. 0.458D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.210D+03	21	0.231D+04	0
0.420D+03	3	0.252D+04	0
0.631D+03	0	0.273D+04	0
0.841D+03	0	0.294D+04	0
0.105D+04	0	0.315D+04	0
0.126D+04	0	0.336D+04	0
0.147D+04	0	0.357D+04	0
0.168D+04	0	0.378D+04	0
0.189D+04	0	0.399D+04	0
0.210D+04	0	0.420D+04	1

LARGEST SPILL (LITERS) 0.420D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.235D+03 TOT AMT SPILLED 0.587D+04

NUMBER OF SPILLS 25

MATERIAL CODE AL770000 MATERIAL NAME ACETONITRICE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	1	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.400D+01

NUMBER OF SPILLS 2

MATERIAL CODE AO639000 MATERIAL NAME ACETYL CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE AQ310000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE AS1C5000 MATERIAL NAME ACROLEIN 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.601D+00	0	0.260D+01	0
0.801D+00	0	0.280D+01	0
0.100D+01	0	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.400D+01

LARGES. HAZARD POTEN. 0.844D-01 SMALLEST HAZARD POTEN. 0.844D-01 AVE HZ. PT. 0.844D-01 TOT HAZARD PT. 0.844D-01

NUMBER OF SPILLS 1

MATERIAL CODE AS332500 MATERIAL NAME ACRYLAMIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.651D+00	0	0.716D+01	0
0.130D+01	0	0.781D+01	0
0.195D+01	0	0.846D+01	0
0.260D+01	0	0.911D+01	0
0.325D+01	0	0.976D+01	0
0.390D+01	0	0.104D+02	0
0.455D+01	0	0.111D+02	0
0.521D+01	0	0.117D+02	0
0.586D+01	0	0.124D+02	0
0.651D+01	0	0.130D+02	1

LARGEST SPILL (KGRAMS) 0.130D+02 SMALLEST SPILL (KGRAMS) 0.130D+02 AVE SPILL 0.130D+02 TOT AMT SPILLED 0.130D+02

LARGEST HAZARD POTEN. 0.742D-01 SMALLEST HAZARD POTEN. 0.742D-01 AVE HZ. PT. 0.742D-01 TOT HAZARD PT. 0.742D-01

NUMBER OF SPILLS 1

MATERIAL CODE AS437500 MATERIAL NAME ACRYLIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE AT070000 MATERIAL NAME ACRYLIC ACID ETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+03	7	0.416D+04	0
0.757D+03	2	0.454D+04	0
0.114D+04	0	0.492D+04	0
0.151D+04	0	0.530D+04	0
0.189D+04	0	0.568D+04	0
0.227D+04	0	0.605D+04	0
0.265D+04	0	0.643D+04	0
0.303D+04	0	0.681D+04	0
0.341D+04	0	0.719D+04	0
0.378D+04	0	0.757D+04	1

LARGEST SPILL (LITERS) 0.756D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.885D+03 TOT AMT SPILLED 0.885D+04

NUMBER OF SPILLS 10

MATERIAL CODE AT071000 MATERIAL NAME ACRYLIC ACID ETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+04	0	0.416D+05	0
0.757D+04	0	0.454D+05	0
0.114D+05	0	0.492D+05	0
0.151D+05	0	0.530D+05	0
0.189D+05	0	0.568D+05	0
0.227D+05	0	0.605D+05	0
0.265D+05	0	0.643D+05	0
0.303D+05	0	0.681D+05	0
0.341D+05	0	0.719D+05	0
0.378D+05	0	0.757D+05	1

LARGEST SPILL (LITERS) 0.756D+05 SMALLEST SPILL (LITERS) 0.756D+05 AVE SPILL 0.756D+05 TOT AMT SPILLED 0.756D+05

NUMBER OF SPILLS 1

MATERIAL CODE AT087500 MATERIAL NAME ACRYLIC ACID ETHYLEXYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE AT175000 MATERIAL NAME ACRYLIC ACID HYDROXETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	1	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.800D+01

NUMBER OF SPILLS 2

MATERIAL CODE AT280000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.284D+02	0	0.312D+03	0
0.568D+02	0	0.341D+03	0
0.851D+02	0	0.369D+03	0
0.114D+03	0	0.397D+03	0
0.142D+03	0	0.426D+03	0
0.170D+03	1	0.454D+03	0
0.199D+03	0	0.482D+03	0
0.227D+03	0	0.511D+03	0
0.255D+03	0	0.539D+03	0
0.284D+03	0	0.568D+03	1

LARGEST SPILL (LITERS) 0.567D+03 SMALLEST SPILL (LITERS) 0.151D+03 AVE SPILL 0.359D+03 TOT AMT SPILLED 0.718D+03

NUMBER OF SPILLS 2

MATERIAL CODE AT525000 MATERIAL NAME ACRYLONITRILE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.516D+04	0	0.567D+05	0
0.103D+05	0	0.619D+05	0
0.155D+05	0	0.670D+05	0
0.206D+05	0	0.722D+05	0
0.258D+05	0	0.773D+05	0
0.309D+05	0	0.825D+05	0
0.361D+05	0	0.876D+05	2
0.412D+05	0	0.928D+05	0
0.464D+05	0	0.979D+05	0
0.516D+05	0	0.103D+06	1

LARGEST SPILL (KGRAMS) 0.103D+06 SMALLEST SPILL (KGRAMS) 0.861D+05 AVE SPILL 0.917D+05 TOT AMT SPILLED 0.275D+06

LARGEST HAZARD POTEN. 0.122D+04 SMALLEST HAZARD POTEN. 0.102D+04 AVE HZ. PT. 0.109D+04 TOT HAZARD PT. 0.326D+04

NUMBER OF SPILLS 3

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.206D+05	16	0.227D+06	0
0.412D+05	0	0.247D+06	0
0.619D+05	0	0.268D+06	0
0.825D+05	0	0.289D+06	0
0.103D+06	0	0.309D+06	0
0.124D+06	0	0.330D+06	0
0.144D+06	1	0.351D+06	0
0.165D+06	0	0.371D+06	0
0.186D+06	0	0.392D+06	0
0.206D+06	0	0.412D+06	1

LARGEST SPILL (LITERS) 0.412D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.325D+05 TOT AMT SPILLED 0.585D+06

NUMBER OF SPILLS 18

MATERIAL CODE AVERDX MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.906D+04	0	0.996D+05	0
0.181D+05	0	0.109D+06	0
0.272D+05	0	0.118D+06	0
0.362D+05	0	0.127D+06	0
0.453D+05	0	0.136D+06	0
0.544D+05	0	0.145D+06	0
0.634D+05	0	0.154D+06	0
0.725D+05	0	0.163D+06	0
0.815D+05	0	0.172D+06	0
0.906D+05	0	0.181D+06	1

LARGEST SPILL (KGRAMS) 0.181D+06 SMALLEST SPILL (KGRAMS) 0.181D+06 AVE SPILL 0.181D+06 TOT AMT SPILLED 0.181D+06

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE BA507500 MATERIAL NAME ALLYL ALCOHOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.751D+00	0	0.826D+01	0
0.150D+01	0	0.901D+01	0
0.225D+01	0	0.976D+01	0
0.300D+01	0	0.105D+02	0
0.375D+01	0	0.113D+02	0
0.450D+01	0	0.120D+02	0
0.526D+01	0	0.128D+02	0
0.601D+01	0	0.135D+02	0
0.676D+01	0	0.143D+02	0
0.751D+01	0	0.150D+02	1

LARGEST SPILL (LITERS) 0.150D+02 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.150D+02 TOT AMT SPILLED 0.150D+02

NUMBER OF SPILLS 1

MATERIAL CODE BD052500 MATERIAL NAME ALUMINUM CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.245D+01	0	0.270D+02	0
0.490D+01	0	0.294D+02	0
0.736D+01	0	0.319D+02	0
0.981D+01	0	0.343D+02	0
0.123D+02	0	0.368D+02	0
0.147D+02	0	0.392D+02	0
0.172D+02	0	0.417D+02	0
0.196D+02	0	0.441D+02	0
0.221D+02	0	0.466D+02	0
0.245D+02	0	0.490D+02	1

LARGEST SPILL (KGRAMS) 0.490D+02 SMALLEST SPILL (KGRAMS) 0.490D+02 AVE SPILL 0.490D+02 TOT AMT SPILLED 0.490D+02

LARGEST HAZARD POTEN. 0.129D-01 SMALLEST HAZARD POTEN. 0.129D-01 AVE HZ. PT. 0.129D-01 TOT HAZARD PT. 0.129D-01

NUMBER OF SPILLS 1

MATERIAL CODE BD160000 MATERIAL NAME ALUMINUM SODIUM OXIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	1	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.400D+01

NUMBER OF SPILLS 2

MATERIAL CODE BD160500 MATERIAL NAME ALUMINUM SODIUM OXIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+01	3	0.622D+02	0
0.113D+02	0	0.679D+02	0
0.170D+02	0	0.735D+02	0
0.216D+02	0	0.792D+02	0
0.283D+02	0	0.848D+02	0
0.339D+02	0	0.905D+02	0
0.396D+02	1	0.961D+02	0
0.452D+02	0	0.102D+03	0
0.509D+02	0	0.107D+03	0
0.566D+02	0	0.113D+03	1

LARGEST SPILL (LITERS) 0.113D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.310D+02 TOT AMT SPILLED 0.155D+03

NUMBER OF SPILLS 5

MATERIAL CODE BD170000 MATERIAL NAME ALUMINUM SULFATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.132D+03	1	0.145D+04	0
0.264D+03	0	0.159D+04	0
0.396D+03	0	0.172D+04	0
0.529D+03	0	0.185D+04	0
0.661D+03	0	0.198D+04	0
0.793D+03	0	0.211D+04	0
0.925D+03	0	0.225D+04	0
0.106D+04	0	0.238D+04	0
0.119D+04	0	0.251D+04	0
0.132D+04	0	0.264D+04	1

LARGEST SPILL (LITERS) 0.264D+04 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.132D+04 TOT AMT SPILLED 0.265D+04

NUMBER OF SPILLS 2

MATERIAL CODE BL LIQ MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.492D+05	0	0.542D+06	0
0.985D+05	0	0.591D+06	0
0.148D+06	0	0.640D+06	0
0.197D+06	0	0.689D+06	0
0.246D+06	0	0.739D+06	0
0.295D+06	0	0.788D+06	0
0.345D+06	0	0.837D+05	0
0.394D+06	0	0.886D+06	0
0.443D+06	0	0.936D+06	0
0.492D+06	0	0.985D+06	1

LARGEST SPILL (LITERS) 0.984D+06 SMALLEST SPILL (LITERS) 0.984D+06 AVE SPILL 0.984D+06 TOT AMT SPILLED 0.984D+06

NUMBER OF SPILLS 1

MATERIAL CODE BLEACH MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE 80087500 MATERIAL NAME AMMONIA 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.256D+04	30	0.282D+05	0
0.513D+04	3	0.308D+05	0
0.769D+04	0	0.333D+05	0
0.103D+05	0	0.359D+05	0
0.128D+05	0	0.384D+05	0
0.154D+05	1	0.410D+05	0
0.179D+05	3	0.436D+05	0
0.205D+05	1	0.461D+05	0
0.231D+05	0	0.487D+05	0
0.256D+05	0	0.513D+05	1

LARGEST SPILL (KGRAMS) 0.512D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.415D+04 TOT AMT SPILLED 0.162D+06

LARGEST HAZARD POTEN. 0.142D+03 SMALLEST HAZARD POTEN. 0.277D-02 AVE HZ. PT. 0.115D+02 TOT HAZARD PT. 0.448D+03

NUMBER OF SPILLS 39

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.123D+05	36	0.135D+06	1
0.246D+05	2	0.148D+06	1
0.369D+05	1	0.160D+06	0
0.492D+05	1	0.172D+06	0
0.616D+05	0	0.185D+06	0
0.739D+05	0	0.197D+06	0
0.862D+05	0	0.209D+06	1
0.985D+05	0	0.222D+06	0
0.111D+06	0	0.234D+06	0
0.123D+06	0	0.246D+06	1

LARGEST SPILL (LITERS) 0.246D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.197D+05 TOT AMT SPILLED 0.868D+06

NUMBER OF SPILLS 44

MATERIAL CODE B0315000 MATERIAL NAME AMMONIUM ALKYDIMETHYLBENZYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE BP455000 MATERIAL NAME AMMONIUM CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE BQ920500 MATERIAL NAME AMONIUM HYDROGEN FLUORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.550D+00	0
0.100D+00	0	0.600D+00	0
0.150D+00	0	0.650D+00	0
0.200D+00	0	0.700D+00	0
0.250D+00	0	0.750D+00	0
0.300D+00	0	0.800D+00	0
0.350D+00	0	0.850D+00	0
0.400D+00	0	0.900D+00	0
0.450D+00	0	0.950D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.243D-02 SMALLEST HAZARD POTEN. 0.243D-02 AVE HZ. PT. 0.243D-02 TOT HAZARD PT. 0.243D-02

NUMBER OF SPILLS 1

MATERIAL CODE 8Q962500 MATERIAL NAME AMMONIUM HYDROXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.270D+01	4	0.297D+02	0
0.541D+01	1	0.324D+02	0
0.811D+01	1	0.351D+02	0
0.108D+02	0	0.378D+02	0
0.135D+02	1	0.405D+02	0
0.162D+02	0	0.432D+02	0
0.189D+02	0	0.459D+02	0
0.216D+02	0	0.486D+02	0
0.243D+02	0	0.514D+02	0
0.270D+02	0	0.541D+02	1

LARGEST SPILL (KGRAMS) 0.540D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.101D+02 TOT AMT SPILLED 0.810D+02

LARGEST HAZARD POTEN. 0.150D+00 SMALLEST HAZARD POTEN. 0.277D-02 AVE HZ. PT. 0.281D-01 TOT HAZARD PT. 0.225D+00

NUMBER OF SPILLS 8

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	9	0.115D+03	0
0.208D+02	5	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	2	0.146D+03	0
0.521D+02	2	0.156D+03	1
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.313D+02 TOT AMT SPILLED 0.625D+03

NUMBER OF SPILLS 20

MATERIAL CODE BRINE MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+02	0	0.104D+04	0
0.189D+03	0	0.114D+04	0
0.284D+03	0	0.123D+04	0
0.378D+03	0	0.132D+04	0
0.473D+03	0	0.142D+04	0
0.568D+03	0	0.151D+04	0
0.662D+03	0	0.161D+04	0
0.757D+03	0	0.170D+04	0
0.851D+03	0	0.180D+04	0
0.946D+03	0	0.189D+04	1

LARGEST SPILL (LITERS) 0.189D+04 SMALLEST SPILL (LITERS) 0.189D+04 AVE SPILL 0.189D+04 TOT AMT SPILLED 0.189D+04

NUMBER OF SPILLS 1

MATERIAL CODE BR905000 MATERIAL NAME AMMONIUM NITRATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.906D+05	41	0.996D+06	0
0.181D+06	0	0.109D+07	0
0.272D+06	0	0.118D+07	0
0.362D+06	0	0.127D+07	0
0.453D+06	0	0.136D+07	0
0.544D+06	0	0.145D+07	0
0.634D+06	0	0.154D+07	0
0.725D+06	0	0.163D+07	0
0.815D+06	0	0.172D+07	0
0.906D+06	0	0.181D+07	1

LARGEST SPILL (KGRAMS) 0.181D+07 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.482D+05 TOT AMT SPILLED 0.202D+07

LARGEST HAZARD POTEN. 0.117D+03 SMALLEST HAZARD POTEN. 0.259D-03 AVE HZ. PT. 0.311D+01 TOT HAZARD PT. 0.131D+03

NUMBER OF SPILLS 42

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+04	2	0.622D+05	0
0.113D+05	1	0.679D+05	0
0.170D+05	0	0.735D+05	0
0.226D+05	0	0.792D+05	0
0.283D+05	0	0.848D+05	0
0.339D+05	0	0.905D+05	0
0.396D+05	0	0.961D+05	0
0.452D+05	0	0.102D+06	0
0.509D+05	0	0.107D+06	0
0.566D+05	0	0.113D+06	1

LARGEST SPILL (LITERS) 0.113D+06 SMALLEST SPILL (LITERS) 0.750D+02 AVE SPILL 0.307D+05 TOT AMT SPILLED 0.123D+06

NUMBER OF SPILLS 4

MATERIAL CODE BR907300 MATERIAL NAME AMMONIUM NITRATE FERTILIZER 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.370D+02	0	0.407D+03	0
0.740D+02	0	0.444D+03	0
0.111D+03	0	0.481D+03	0
0.148D+03	0	0.518D+03	0
0.185D+03	0	0.555D+03	0
0.222D+03	0	0.592D+03	0
0.259D+03	0	0.629D+03	0
0.296D+03	0	0.666D+03	0
0.333D+03	0	0.703D+03	0
0.370D+03	0	0.740D+03	1

LARGEST SPILL (KGRAMS) 0.739D+03 SMALLEST SPILL (KGRAMS) 0.739D+03 AVE SPILL 0.739D+03 TOT AMT SPILLED 0.739D+03

LARGEST HAZARD POTEN. 0.478D-01 SMALLEST HAZARD POTEN. 0.478D-01 AVE HZ. PT. 0.478D-01 TOT HAZARD PT. 0.478D-01

NUMBER OF SPILLS 1

MATERIAL CODE BS450000 MATERIAL NAME AMMONIUM SULFATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.113D+02	0	0.124D+03	0
0.226D+02	0	0.136D+03	0
0.339D+02	0	0.147D+03	0
0.452D+02	0	0.158D+03	0
0.566D+02	0	0.170D+03	0
0.679D+02	0	0.181D+03	0
0.792D+02	0	0.192D+03	0
0.905D+02	0	0.204D+03	0
0.102D+03	0	0.215D+03	0
0.113D+03	0	0.226D+03	1

LARGEST SPILL (KGRAMS) 0.226D+03 SMALLEST SPILL (KGRAMS) 0.226D+03 AVE SPILL 0.226D+03 TOT AMT SPILLED 0.226D+03

LARGEST HAZARD POTEN. 0.731D-01 SMALLEST HAZARD POTEN. 0.731D-01 AVE HZ. PT. 0.731D-01 TOT HAZARD PT. 0.731D-01

NUMBER OF SPILLS 1

MATERIAL CODE BS490000 MATERIAL NAME AMMONIUM SULFIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	0	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.750D+02 AVE SPILL 0.750D+02 TOT AMT SPILLED 0.750D+02

NUMBER OF SPILLS 1

MATERIAL CODE BS492000 MATERIAL NAME AMMONIUM SULFIDE SOLUTION 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE BW665000 MATERIAL NAME ANILINE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.204D+02	0	0.225D+03	0
0.408D+02	0	0.245D+03	0
0.613D+02	0	0.265D+03	0
0.817D+02	0	0.286D+03	0
0.102D+03	0	0.306D+03	0
0.123D+03	0	0.327D+03	0
0.143D+03	0	0.347D+03	0
0.163D+03	0	0.368D+03	0
0.184D+03	0	0.388D+03	0
0.204D+03	0	0.408D+03	1

LARGEST SPILL (KGRAMS) 0.408D+03 SMALLEST SPILL (KGRAMS) 0.408D+03 AVE SPILL 0.408D+03 TOT AMT SPILLED 0.408D+03

LARGEST HAZARD POTEN. 0.900D+00 SMALLEST HAZARD POTEN. 0.900D+00 AVE HZ. PT. 0.900D+00 TOT HAZARD PT. 0.900D+00

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+04	4	0.208D+05	0
0.378D+04	0	0.227D+05	0
0.568D+04	0	0.246D+05	0
0.757D+04	0	0.265D+05	0
0.946D+04	0	0.284D+05	0
0.114D+05	0	0.303D+05	0
0.132D+05	0	0.322D+05	0
0.151D+05	0	0.341D+05	0
0.170D+05	0	0.359D+05	0
0.189D+05	0	0.378D+05	1

LARGEST SPILL (LITERS) 0.378D+05 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.804D+04 TOT AMT SPILLED 0.402D+05

NUMBER OF SPILLS 5

MATERIAL CODE BX297300 MATERIAL NAME ANILINE DICHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.811D+01	0	0.892D+02	0
0.162D+02	0	0.973D+02	0
0.243D+02	0	0.105D+03	0
0.324D+02	0	0.114D+03	0
0.405D+02	0	0.122D+03	0
0.486D+02	0	0.130D+03	0
0.568D+02	0	0.138D+03	0
0.649D+02	0	0.146D+03	0
0.730D+02	0	0.154D+03	0
0.811D+02	0	0.162D+03	1

LARGEST SPILL (LITERS) 0.162D+03 SMALLEST SPILL (LITERS) 0.162D+03 AVE SPILL 0.162D+03 TOT AMT SPILLED 0.162D+03

NUMBER OF SPILLS 1

MATERIAL CODE BX978000 MATERIAL NAME ANILINE ETHYL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.291D-02 SMALLEST HAZARD POTEN. 0.291D-02 AVE HZ. PT. 0.291D-02 TOT HAZARD PT. 0.291D-02

NUMBER OF SPILLS 1

MATERIAL CODE BY700000 MATERIAL NAME ANILINE NITRO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.600D+00	0	0.260D+01	0
0.800D+00	0	0.280D+01	0
0.100D+01	2	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.600D+01

LARGEST HAZARD POTEN. 0.120D-02 SMALLEST HAZARD POTEN. 0.299D-03 AVE HZ. PT. 0.599D-03 TOT HAZARD PT. 0.180D-02

NUMBER OF SPILLS 3

MATERIAL CODE CAUSTIC MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE CG032500 MATERIAL NAME ARSENIC 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.249D+02	0	0.274D+03	0
0.498D+02	0	0.299D+03	0
0.748D+02	0	0.324D+03	0
0.997D+02	0	0.349D+03	0
0.125D+03	0	0.374D+03	0
0.150D+03	0	0.399D+03	0
0.174D+03	0	0.424D+03	0
0.199D+03	0	0.449D+03	0
0.224D+03	0	0.474D+03	0
0.249D+03	0	0.498D+03	2

LARGEST SPILL (KGRAMS) 0.498D+03 SMALLEST SPILL (KGRAMS) 0.498D+03 AVE SPILL 0.498D+03 TOT AMT SPILLED 0.996D+03

LARGEST HAZARD POTEN. 0.967D+01 SMALLEST HAZARD POTEN. 0.967D+01 AVE HZ. PT. 0.967D+01 TOT HAZARD PT. 0.193D+02

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.106D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE CG070000 MATERIAL NAME ARSENIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.132D+02	2	0.145D+03	0
0.264D+02	0	0.159D+03	0
0.396D+02	0	0.172D+03	0
0.529D+02	0	0.185D+03	0
0.661D+02	0	0.198D+03	0
0.793D+02	0	0.211D+03	0
0.925D+02	0	0.225D+03	0
0.106D+03	0	0.238D+03	0
0.119D+03	0	0.251D+03	0
0.132D+03	0	0.264D+03	1

LARGEST SPILL (LITERS) 0.264D+03 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.913D+02 TOT AMT SPILLED 0.274D+03

NUMBER OF SPILLS 3

MATERIAL CODE CG122500 MATERIAL NAME ARSENIC ACID,SODIUM SALT 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.900D+00	0	0.990D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	2	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	2

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.125D+02 TOT AMT SPILLED 0.500D+02

NUMBER OF SPILLS 4

MATERIAL CODE CG175000 MATERIAL NAME ARSENIC CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.324D-02 SMALLEST HAZARD POTEN. 0.324D-02 AVE HZ. PT. 0.324D-02 TOT HAZARD PT. 0.324D-02

NUMBER OF SPILLS 1

MATERIAL CODE CG332500 MATERIAL NAME ARSENIC TRIOXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	2

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.485D-01 SMALLEST HAZARD POTEN. 0.485D-01 AVE HZ. PT. 0.485D-01 TOT HAZARD PT. 0.970D-01

NUMBER OF SPILLS 2

MATERIAL CODE CG340000 MATERIAL NAME ARSENIOUS ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.280D+01	1	0.308D+01	0
0.561D+01	0	0.336D+02	0
0.841D+01	0	0.364D+02	0
0.112D+02	0	0.392D+02	0
0.140D+02	0	0.420D+02	0
0.168D+02	0	0.448D+02	0
0.196D+02	0	0.476D+02	0
0.224D+02	0	0.505D+02	0
0.252D+02	0	0.533D+02	0
0.280D+02	0	0.561D+02	1

LARGEST SPILL (LITERS) 0.560D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.285D+02 TOT AMT SPILLED 0.570D+02

NUMBER OF SPILLS 2

MATERIAL CODE CHEM MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE CHEMICA MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.454D+04	101	0.499D+05	0
0.908D+04	0	0.545D+05	0
0.136D+05	0	0.590D+05	0
0.182D+05	1	0.635D+05	0
0.227D+05	0	0.681D+05	0
0.272D+05	0	0.726D+05	0
0.318D+05	0	0.772D+05	1
0.363D+05	0	0.817D+05	0
0.409D+05	0	0.863D+05	0
0.454D+05	0	0.908D+05	1

LARGEST SPILL (KGRAMS) 0.907D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.183D+04 TOT AMT SPILLED 0.190D+06

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 104

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.161D+07	434	0.177D+08	0
0.321D+07	0	0.193D+08	0
0.482D+07	0	0.209D+08	0
0.643D+07	0	0.225D+08	0
0.803D+07	0	0.241D+08	0
0.964D+07	0	0.257D+08	0
0.112D+08	0	0.273D+08	0
0.129D+08	0	0.289D+08	0
0.145D+08	0	0.305D+08	0
0.161D+08	0	0.321D+08	1

LARGEST SPILL (LITERS) 0.321D+08 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.743D+05 TOT AMT SPILLED 0.323D+08

NUMBER OF SPILLS 435

MATERIAL CODE CHEMICAL MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.413D+04	2	0.454D+05	0
8.826D+04	0	0.495D+05	0
0.124D+05	0	0.537D+05	0
0.165D+05	0	0.578D+05	0
0.206D+05	0	0.619D+05	0
0.248D+05	0	0.661D+05	0
0.289D+05	0	0.702D+05	0
0.330D+05	0	0.743D+05	0
0.372D+05	0	0.785D+05	0
0.413D+05	0	0.826D+05	1

LARGEST SPILL (KGRAMS) 0.825D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.275D+05 TOT AMT SPILLED 0.825D+05

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 3

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.151D+04	5	0.166D+05	0
0.302D+04	1	0.181D+05	0
0.453D+04	0	0.196D+05	0
0.605D+04	0	0.212D+05	0
0.756D+04	0	0.227D+05	0
0.907D+04	1	0.242D+05	0
0.106D+05	0	0.257D+05	0
0.121D+05	0	0.272D+05	0
0.136D+05	0	0.287D+05	0
0.151D+05	0	0.302D+05	1

LARGEST SPILL (LITERS) 0.302D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.504D+04 TOT AMT SPILLED 0.403D+05

NUMBER OF SPILLS 8

MATERIAL CODE CHEMICAM MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.881D+02	0	0.969D+03	0
0.176D+03	0	0.106D+04	0
0.264D+03	0	0.115D+04	0
0.352D+03	0	0.123D+04	0
0.440D+03	0	0.132D+04	0
0.529D+03	0	0.141D+04	0
0.617D+03	0	0.150D+04	0
0.705D+03	0	0.159D+04	0
0.793D+03	0	0.167D+04	0
0.881D+03	0	0.176D+04	1

LARGEST SPILL (KGRAMS) 0.176D+04 SMALLEST SPILL (KGRAMS) 0.176D+04 AVE SPILL 0.176D+04 TOT AMT SPILLED 0.176D+04

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE CHEMICAZ MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.399D+03	0	0.439D+04	0
0.799D+03	0	0.479D+04	0
0.120D+04	0	0.519D+04	0
0.160D+04	0	0.559D+04	0
0.200D+04	0	0.599D+04	0
0.240D+04	0	0.639D+04	0
0.280D+04	0	0.679D+04	0
0.320D+04	0	0.719D+04	0
0.359D+04	0	0.759D+04	0
0.399D+04	0	0.799D+04	1

LARGEST SPILL (KGRAMS) 0.798D+04 SMALLEST SPILL (KGRAMS) 0.798D+04 AVE SPILL 0.798D+04 TOT AMT SPILLED 0.798D+04

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE CHEMICAO MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.114D+03	2	0.125D+04	0
0.227D+03	0	0.136D+04	0
0.341D+03	0	0.148D+04	0
0.454D+03	0	0.159D+04	0
0.568D+03	0	0.170D+04	0
0.682D+03	0	0.182D+04	0
0.795D+03	0	0.193D+04	0
0.909D+03	0	0.205D+04	0
0.102D+04	0	0.216D+04	0
0.114D+04	0	0.227D+04	1

LARGEST SPILL (LITERS) 0.227D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.761D+03 TOT AMT SPILLED 0.228D+04

NUMBER OF SPILLS 3

MATERIAL CODE CI990006 MATERIAL NAME ASPHALT 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.136D+05	3	0.150D+06	0
0.272D+05	0	0.163D+06	0
0.408D+05	0	0.177D+06	0
0.545D+05	0	0.191D+06	0
0.681D+05	0	0.204D+06	0
0.817D+05	0	0.218D+05	0
0.953D+05	0	0.231D+06	0
0.109D+06	0	0.245D+06	0
0.123D+06	0	0.259D+06	0
0.136D+06	0	0.272D+06	1

LARGEST SPILL (LITERS) 0.272D+06 SMALLEST SPILL (LITERS) 0.113D+03 AVE SPILL 0.684D+05 TOT AMT SPILLED 0.273D+06

NUMBER OF SPILLS 4

MATERIAL CODE C1990500 MATERIAL NAME ASPHALT CUTBACK 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.596D+07	1	0.655D+09	0
0.119D+08	0	0.715D+09	0
0.179D+08	0	0.774D+08	0
0.238D+08	0	0.834D+08	0
0.298D+08	0	0.893D+08	0
0.357D+08	0	0.953D+08	0
0.417D+08	0	0.101D+09	0
0.476D+08	0	0.107D+09	0
0.536D+08	0	0.113D+09	0
0.596D+08	0	0.119D+09	1

LARGEST SPILL (LITERS) 0.119D+09 SMALLEST SPILL (LITERS) 0.378D+03 AVE SPILL 0.595D+08 TOT AMT SPILLED 0.119D+09

NUMBER OF SPILLS 2

MATERIAL CODE CM805000 MATERIAL NAME AZIRIDINE METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE CU647500 MATERIAL NAME BENZALDEHYDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.260D+01	0	0.286D+02	0
0.521D+01	0	0.312D+02	0
0.781D+01	0	0.338D+02	0
0.104D+02	0	0.364D+02	0
0.130D+02	0	0.390D+02	0
0.156D+02	0	0.416D+02	0
0.182D+02	0	0.442D+02	0
0.208D+02	0	0.468D+02	0
0.234D+02	0	0.494D+02	0
0.260D+02	0	0.521D+02	1

LARGEST SPILL (LITERS) 0.520D+02 SMALLEST SPILL (LITERS) 0.520D+02 AVE SPILL 0.520D+02 TOT AMT SPILLED 0.520D+02

NUMBER OF SPILLS 1

MATERIAL CODE CV140000 MATERIAL NAME BENZENE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.284D+02	0	0.312D+03	0
0.568D+02	2	0.341D+03	0
0.851D+02	2	0.369D+03	0
0.114D+03	0	0.397D+03	0
0.142D+03	0	0.426D+03	0
0.170D+03	0	0.454D+03	0
0.199D+03	2	0.482D+03	0
0.227D+03	0	0.511D+03	0
0.255D+03	0	0.539D+03	0
0.284D+03	0	0.568D+03	1

LARGEST SPILL (LITERS) 0.567D+03 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.167D+03 TOT AMT SPILLED 0.117D+04

NUMBER OF SPILLS 7

MATERIAL CODE CZ017500 MATERIAL NAME BENZENE CHLORO- 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.100D+00	0	0.110D+01	0
0.200D+00	0	0.120D+01	0
0.300D+00	0	0.130D+01	0
0.400D+00	0	0.140D+01	0
0.500D+00	0	0.150D+01	0
0.601D+00	0	0.160D+01	0
0.701D+00	0	0.170D+01	0
0.801D+00	0	0.180D+01	0
0.901D+00	0	0.190D+01	0
0.100D+01	1	0.200D+01	1

LARGEST SPILL (KGRAMS) 0.200D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.150D+01 TOT AMT SPILLED 0.300D+01

LARGEST HAZARD POTEN. 0.667D-03 SMALLEST HAZARD POTEN. 0.334D-03 AVE HZ. PT. 0.500D-03 TOT HAZARD PT. 0.100D-02

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	1	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	1	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	1	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	2

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.111D+03 TOT AMT SPILLED 0.554D+03

NUMBER OF SPILLS 5

MATERIAL CODE CZ175000 MATERIAL NAME BENZENEDIAZOSULFONIC ACID P-DIMETHYLAMIN 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.600D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE CZ450000 MATERIAL NAME BENZENE DICHLORO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.272D+04	0	0.299D+05	0
0.545D+04	0	0.327D+05	0
0.817D+04	0	0.354D+05	0
0.109D+05	0	0.381D+05	0
0.136D+05	0	0.408D+05	0
0.163D+05	0	0.436D+05	0
0.191D+05	0	0.463D+05	0
0.218D+05	0	0.490D+05	0
0.245D+05	0	0.517D+05	0
0.272D+05	0	0.545D+05	1

LARGEST SPILL (KGRAMS) 0.544D+05 SMALLEST SPILL (KGRAMS) 0.544D+05 AVE SPILL 0.544D+05 TOT AMT SPILLED 0.544D+05

LARGEST HAZARD POTEN. 0.106D+03 SMALLEST HAZARD POTEN. 0.106D+03 AVE HZ. PT. 0.106D+03 TOT HAZARD PT. 0.106D+03

NUMBER OF SPILLS 1

MATERIAL CODE C2455000 MATERIAL NAME BENZENE P-DICHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+03	0	0.204D+04	0
0.370D+03	0	0.222D+04	0
0.556D+03	0	0.241D+04	0
0.741D+03	0	0.259D+04	0
0.926D+03	0	0.278D+04	0
0.111D+04	0	0.296D+04	0
0.130D+04	0	0.315D+04	0
0.148D+04	0	0.333D+04	0
0.167D+04	0	0.352D+04	0
0.185D+04	0	0.370D+04	1

LARGEST SPILL (LITERS) 0.370D+04 SMALLEST SPILL (LITERS) 0.370D+04 AVE SPILL 0.370D+04 TOT AMT SPILLED 0.370D+04

NUMBER OF SPILLS 1

MATERIAL CODE C2630000 MATERIAL NAME BENZENE DIISOCYANATO MENTHYL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.229D+04	2	0.252D+05	0
0.458D+04	0	0.275D+05	0
0.689D+04	0	0.298D+05	0
0.917D+04	0	0.321D+05	0
0.115D+05	0	0.344D+05	0
0.138D+05	0	0.367D+05	0
0.160D+05	0	0.390D+05	0
0.183D+05	0	0.413D+05	0
0.206D+05	0	0.436D+05	0
0.229D+05	0	0.458D+05	1

LARGEST SPILL (KGRAMS) 0.458D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.153D+05 TOT AMT SPILLED 0.458D+05

LARGEST HAZARD POTEN. 0.721D+01 SMALLEST HAZARD POTEN. 0.157D-03 AVE HZ. PT. 0.241D+01 TOT HAZARD PT. 0.722D+01

NUMBER OF SPILLS 3

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.621D+02	14	0.683D+03	0
0.124D+03	2	0.745D+03	0
0.186D+03	0	0.807D+03	1
0.248D+03	1	0.869D+03	0
0.310D+03	0	0.931D+03	0
0.372D+03	0	0.993D+03	0
0.434D+03	0	0.106D+04	0
0.496D+03	0	0.112D+04	0
0.559D+03	0	0.118D+04	1
0.621D+03	0	0.124D+04	1

LARGEST SPILL (LITERS) 0.124D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.186D+03 TOT AMT SPILLED 0.371D+04

NUMBER OF SPILLS 20

MATERIAL CODE CZ962500 MATERIAL NAME BENZEN,(EPOXYETHYL)- 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE DA070000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+01	0	0.831D+02	0
0.151D+02	0	0.907D+02	0
0.227D+02	0	0.982D+02	0
0.302D+02	0	0.106D+03	0
0.378D+02	0	0.113D+03	0
0.453D+02	0	0.121D+03	0
0.529D+02	0	0.128D+03	0
0.605D+02	0	0.136D+03	0
0.680D+02	0	0.144D+03	0
0.756D+02	0	0.151D+03	1

LARGEST SPILL (LITERS) 0.151D+03 SMALLEST SPILL (LITERS) 0.151D+03 AVE SPILL 0.151D+03 TOT AMT SPILLED 0.151D+03

NUMBER OF SPILLS 1

MATERIAL CODE DA847500 MATERIAL NAME BENZENE NITRO- 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.152D-02 SMALLEST HAZARD POTEN. 0.152D-02 AVE HZ. PT. 0.152D-02 TOT HAZARD PT. 0.152D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	4	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	1	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	1	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.189D+02 TOT AMT SPILLED 0.132D+03

NUMBER OF SPILLS 7

MATERIAL CODE DYE MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE EC984500 MATERIAL NAME BOILER COMPOUND 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE ED267500 MATERIAL NAME BORATE TETRAFLUORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.661D+01	7	0.727D+02	0
0.132D+02	2	0.793D+02	0
0.198D+02	2	0.859D+02	0
0.264D+02	0	0.925D+02	0
0.330D+02	0	0.991D+02	0
0.396D+02	1	0.106D+03	0
0.462D+02	0	0.112D+03	0
0.529D+02	0	0.119D+03	0
0.595D+02	1	0.126D+03	0
0.661D+02	0	0.132D+03	2

LARGEST SPILL (LITERS) 0.132D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.279D+02 TOT AMT SPILLED 0.419D+03

NUMBER OF SPILLS 15

MATERIAL CODE EF910000 MATERIAL NAME BROMINE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.249D+04	0	0.274D+05	0
0.498D+04	0	0.299D+05	0
0.748D+04	0	0.324D+05	0
0.997D+04	0	0.349D+05	0
0.125D+05	0	0.374D+05	0
0.150D+05	0	0.399D+05	0
0.174D+05	0	0.424D+05	0
0.199D+05	0	0.449D+05	0
0.224D+05	0	0.474D+05	0
0.249D+05	0	0.498D+05	1

LARGEST SPILL (KGRAMS) 0.498D+05 SMALLEST SPILL (KGRAMS) 0.498D+05 AVE SPILL 0.498D+05 TOT AMT SPILLED 0.498D+05

LARGEST HAZARD POTEN. 0.967D+02 SMALLEST HAZARD POTEN. 0.967D+02 AVE HZ. PT. 0.967D+02 TOT HAZARD PT. 0.967D+02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	2

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.740D+02

NUMBER OF SPILLS 2

MATERIAL CODE EI927500 MATERIAL NAME BUTADIENE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.345D+04	1	0.379D+05	0
0.690D+04	0	0.414D+05	0
0.103D+05	0	0.448D+05	0
0.138D+05	0	0.483D+05	0
0.172D+05	0	0.517D+05	0
0.207D+05	0	0.552D+05	0
0.241D+05	0	0.586D+05	0
0.276D+05	0	0.621D+05	0
0.310D+05	0	0.655D+05	0
0.345D+05	0	0.690D+05	2

LARGEST SPILL (KGRAMS) 0.689D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.459D+05 TOT AMT SPILLED 0.138D+06

LARGEST HAZARD POTEN. 0.122D+02 SMALLEST HAZARD POTEN. 0.177D-03 AVE HZ. PT. 0.813D+01 TOT HAZARD PT. 0.244D+02

NUMBER OF SPILLS 3

MATERIAL CODE EJ630000 MATERIAL NAME BUTANE CHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE EL647500 MATERIAL NAME BUTANONE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.440D+02	0	0.484D+03	0
0.980D+02	0	0.528D+03	0
0.132D+03	0	0.572D+03	0
0.176D+03	0	0.616D+03	0
0.220D+03	0	0.660D+03	0
0.264D+03	0	0.704D+03	0
0.308D+03	0	0.748D+03	0
0.352D+03	0	0.792D+03	0
0.396D+03	0	0.836D+03	0
0.440D+03	0	0.880D+03	1

LARGEST SPILL (KGRAMS) 0.879D+03 SMALLEST SPILL (KGRAMS) 0.879D+03 AVE SPILL 0.879D+03 TOT AMT SPILLED 0.879D+03

LARGEST HAZARD POTEN. 0.251D+00 SMALLEST HAZARD POTEN. 0.251D+00 AVE HZ. PT. 0.251D+00 TOT HAZARD PT. 0.251D+00

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+03	13	0.208D+04	0
0.378D+03	0	0.227D+04	0
0.568D+03	1	0.246D+04	0
0.757D+03	0	0.265D+04	0
0.946D+03	0	0.284D+04	0
0.114D+04	0	0.303D+04	0
0.132D+04	0	0.322D+04	0
0.151D+04	0	0.341D+04	0
0.170D+04	0	0.359D+04	0
0.189D+04	0	0.378D+04	1

LARGEST SPILL (LITERS) 0.378D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.299D+03 TOT AMT SPILLED 0.448D+04

NUMBER OF SPILLS 15

MATERIAL CODE EL910000 MATERIAL NAME BUTANONE METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.600D+00	0	0.210D+01	0
0.750D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE EL945000 MATERIAL NAME BUTANONE PEROXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.201D-02 SMALLEST HAZARD POTEN. 0.201D-02 AVE HZ. PT. 0.201D-02 TOT HAZARD PT. 0.201D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE E0140000 MATERIAL NAME BUTYL ALCOHOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.134D+03	5	0.148D+04	0
0.268D+03	0	0.161D+04	0
0.402D+03	0	0.174D+04	0
0.537D+03	0	0.188D+04	0
0.671D+03	0	0.201D+04	0
0.805D+03	0	0.215D+04	0
0.939D+03	0	0.228D+04	0
0.107D+04	0	0.241D+04	0
0.121D+04	0	0.255D+04	0
0.134D+04	0	0.268D+04	1

LARGEST SPILL (LITERS) 0.268D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.472D+03 TOT AMT SPILLED 0.283D+04

NUMBER OF SPILLS 6

MATERIAL CODE E0297500 MATERIAL NAME BUTYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE ES227500 MATERIAL NAME BUTYRALDEHYDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE EV940000 MATERIAL NAME CALCIUM CARBIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.450D+01	0	0.495D+02	0
0.901D+01	0	0.541D+02	0
0.135D+02	0	0.586D+02	0
0.180D+02	0	0.631D+02	0
0.225D+02	0	0.676D+02	0
0.270D+02	0	0.721D+02	0
0.315D+02	0	0.766D+02	0
0.360D+02	0	0.811D+02	0
0.405D+02	0	0.856D+02	0
0.450D+02	0	0.901D+02	1

LARGEST SPILL (KGRAMS) 0.900D+02 SMALLEST SPILL (KGRAMS) 0.900D+02 AVE SPILL 0.900D+02 TOT AMT SPILLED 0.900D+02

LARGEST HAZARD POTEN. 0.485D-02 SMALLEST HAZARD POTEN. 0.485D-02 AVE HZ. PT. 0.485D-02 TOT HAZARD PT. 0.485D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.280D+01	0	0.308D+02	0
0.561D+01	0	0.336D+02	0
0.841D+01	0	0.364D+02	0
0.112D+02	0	0.392D+02	0
0.140D+02	0	0.420D+02	0
0.168D+02	0	0.448D+02	0
0.196D+02	0	0.476D+02	0
0.224D+02	0	0.505D+02	0
0.252D+02	0	0.533D+02	0
0.280D+02	0	0.561D+02	1

LARGEST SPILL (LITERS) 0.560D+02 SMALLEST SPILL (LITERS) 0.560D+02 AVE SPILL 0.560D+02 TOT AMT SPILLED 0.560D+02

NUMBER OF SPILLS 1

MATERIAL CODE EV958000 MATERIAL NAME CALCIUM CARBONATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.906D+07	1	0.996D+08	0
0.181D+08	0	0.109D+09	0
0.272D+08	0	0.118D+09	0
0.362D+08	0	0.127D+09	0
0.453D+08	0	0.136D+09	0
0.544D+08	0	0.145D+09	0
0.634D+08	0	0.154D+09	0
0.725D+08	0	0.163D+09	0
0.815D+08	0	0.172D+09	0
0.906D+08	0	0.181D+09	1

LARGEST SPILL (KGRAMS) 0.181D+09 SMALLEST SPILL (KGRAMS) 0.907D+04 AVE SPILL 0.905D+08 TOT AMT SPILLED 0.181D+09

LARGEST HAZARD POTEN. 0.879D+04 SMALLEST HAZARD POTEN. 0.440D+00 AVE HZ. PT. 0.440D+04 TOT HAZARD PT. 0.879D+04

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+04	0	0.208D+05	0
0.378D+04	0	0.227D+05	0
0.568D+04	0	0.246D+05	0
0.757D+04	0	0.265D+05	0
0.946D+04	0	0.284D+05	0
0.114D+05	0	0.303D+05	0
0.132D+05	0	0.322D+05	0
0.151D+05	0	0.341D+05	0
0.170D+05	0	0.359D+05	0
0.189D+05	0	0.378D+05	1

LARGEST SPILL (LITERS) 0.378D+05 SMALLEST SPILL (LITERS) 0.378D+05 AVE SPILL 0.378D+05 TOT AMT SPILLED 0.378D+05

NUMBER OF SPILLS 1

MATERIAL CODE EV980000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+03	0	0.208D+04	0
0.378D+03	0	0.227D+04	0
0.568D+03	0	0.246D+04	0
0.757D+03	0	0.265D+04	0
0.946D+03	0	0.284D+04	0
0.114D+04	0	0.303D+04	0
0.132D+04	0	0.322D+04	0
0.151D+04	0	0.341D+04	0
0.170D+04	0	0.359D+04	0
0.189D+04	0	0.378D+04	1

LARGEST SPILL (LITERS) 0.378D+04 SMALLEST SPILL (LITERS) 0.378D+04 AVE SPILL 0.378D+04 TOT AMT SPILLED 0.378D+04

NUMBER OF SPILLS 1

MATERIAL CODE EV985000 MATERIAL NAME CALCIUM CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.516D+01	0	0.567D+02	0
0.103D+02	0	0.619D+02	0
0.155D+02	0	0.670D+02	0
0.206D+02	0	0.722D+02	0
0.258D+02	0	0.773D+02	0
0.309D+02	0	0.825D+02	0
0.361D+02	0	0.876D+02	0
0.412D+02	0	0.928D+02	0
0.464D+02	0	0.979D+02	0
0.516D+02	0	0.103D+03	1

LARGEST SPILL (KGRAMS) 0.103D+03 SMALLEST SPILL (KGRAMS) 0.103D+03 AVE SPILL 0.103D+03 TOT AMT SPILLED 0.103D+03

LARGEST HAZARD POTEN. 0.500D-02 SMALLEST HAZARD POTEN. 0.500D-02 AVE HZ. PT. 0.500D-02 TOT HAZARD PT. 0.500D-02

NUMBER OF SPILLS 1

MATERIAL CODE EW070000 MATERIAL NAME CALCIUM CYANIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.300D+00	0	0.330D+01	0
0.601D+00	0	0.360D+01	0
0.901D+00	0	0.390D+01	0
0.120D+01	0	0.420D+01	0
0.150D+01	0	0.450D+01	0
0.180D+01	0	0.480D+01	0
0.210D+01	0	0.511D+01	0
0.240D+01	0	0.541D+01	0
0.270D+01	0	0.571D+01	0
0.300D+01	0	0.601D+01	1

LARGEST SPILL (KGRAMS) 0.600D+01 SMALLEST SPILL (KGRAMS) 0.600D+01 AVE SPILL 0.600D+01 TOT AMT SPILLED 0.600D+01

LARGEST HAZARD POTEN. 0.149D+00 SMALLEST HAZARD POTEN. 0.149D+00 AVE HZ. PT. 0.149D+00 TOT HAZARD PT. 0.149D+00

NUMBER OF SPILLS 1

MATERIAL CODE EW298500 MATERIAL NAME CALCIUM NITRATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.601D+00	0	0.260D+01	0
0.901D+00	0	0.280D+01	0
0.100D+01	0	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.400D+01

LARGEST HAZARD POTEN. 0.996D-03 SMALLEST HAZARD POTEN. 0.996D-03 AVE HZ. PT. 0.996D-03 TOT HAZARD PT. 0.996D-03

NUMBER OF SPILLS 1

MATERIAL CODE EW310000 MATERIAL NAME CALCIUM OXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.450D+01	0	0.495D+02	0
0.901D+01	0	0.541D+02	0
0.135D+02	0	0.586D+02	0
0.180D+02	0	0.631D+02	0
0.225D+02	0	0.676D+02	0
0.270D+02	0	0.721D+02	0
0.315D+02	0	0.766D+02	0
0.360D+02	0	0.811D+02	0
0.405D+02	0	0.856D+02	0
0.450D+02	0	0.901D+02	2

LARGEST SPILL (KGRAMS) 0.900D+02 SMALLEST SPILL (KGRAMS) 0.900D+02 AVE SPILL 0.900D+02 TOT AMT SPILLED 0.180D+03

LARGEST HAZARD POTEN. 0.146D+00 SMALLEST HAZARD POTEN. 0.146D+00 AVE HZ. PT. 0.146D+00 TOT HAZARD PT. 0.292D+00

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	0	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.208D+03 AVE SPILL 0.208D+03 TOT AMT SPILLED 0.208D+03

NUMBER OF SPILLS 1

MATERIAL CODE EZ752500 MATERIAL NAME CARBAMIC ACID,DIISOBUTYLTHIO-S-ETHYLESTR 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE EZ857500 MATERIAL NAME CARBAMIC ACID DIISOPROPYLTHIO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE FA840000 MATERIAL NAME CARBAMIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE FB945000 MATERIAL NAME CARBAMIC ACID METHYL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.305D+01	0	0.336D+02	0
0.611D+01	0	0.366D+02	0
0.916D+01	0	0.397D+02	0
0.122D+02	0	0.427D+02	0
0.153D+02	0	0.458D+02	0
0.183D+02	0	0.488D+02	0
0.214D+02	0	0.519D+02	0
0.244D+02	1	0.550D+02	0
0.275D+02	0	0.580D+02	0
0.305D+02	0	0.611D+02	1

LARGEST SPILL (KGRAMS) 0.610D+02 SMALLEST SPILL (KGRAMS) 0.220D+02 AVE SPILL 0.415D+02 TOT AMT SPILLED 0.830D+02

LARGEST HAZARD POTEN. 0.118D+02 SMALLEST HAZARD POTEN. 0.427D+01 AVE HZ. PT. 0.803D+01 TOT HAZARD PT 0.161D+02

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE FERTILI MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+02	2	0.416D+03	0
0.757D+02	3	0.454D+03	0
0.114D+03	2	0.492D+03	0
0.151D+03	0	0.530D+03	0
0.189D+03	0	0.568D+03	0
0.227D+03	0	0.605D+03	0
0.265D+03	0	0.643D+03	0
0.303D+03	0	0.681D+03	0
0.341D+03	0	0.719D+03	0
0.378D+03	0	0.757D+03	1

LARGEST SPILL (LITERS) 0.756D+03 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.150D+03 TOT AMT SPILLED 0.120D+04

NUMBER OF SPILLS 8

MATERIAL CODE FERTILIZ MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.284D+02	0	0.312D+03	0
0.568D+02	0	0.341D+03	0
0.851D+02	0	0.369D+03	0
0.114D+03	0	0.397D+03	0
0.142D+03	0	0.426D+03	0
0.170D+03	0	0.454D+03	0
0.199D+03	0	0.482D+03	0
0.227D+03	0	0.511D+03	0
0.255D+03	0	0.539D+03	0
0.284D+03	0	0.568D+03	1

LARGEST SPILL (LITERS) 0.567D+03 SMALLEST SPILL (LITERS) 0.567D+03 AVE SPILL 0.567D+03 TOT AMT SPILLED 0.567D+03

NUMBER OF SPILLS 1

MATERIAL CODE FERTLIZR MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+01	0	0.831D+02	0
0.151D+02	0	0.907D+02	0
0.227D+02	0	0.982D+02	0
0.302D+02	0	0.105D+03	0
0.378D+02	0	0.113D+03	0
0.453D+02	0	0.121D+03	0
0.529D+02	0	0.128D+03	0
0.605D+02	0	0.136D+03	0
0.680D+02	0	0.144D+03	0
0.756D+02	0	0.151D+03	1

LARGEST SPILL (LITERS) 0.151D+03 SMALLEST SPILL (LITERS) 0.151D+03 AVE SPILL 0.151D+03 TOT AMT SPILLED 0.151D+03

NUMBER OF SPILLS 1

MATERIAL CODE FFS40000 MATERIAL NAME CARBON DIOXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.836D+02	1	0.919D+03	0
0.167D+03	0	0.100D+04	0
0.251D+03	0	0.109D+04	0
0.334D+03	0	0.117D+04	0
0.418D+03	0	0.125D+04	0
0.502D+03	0	0.134D+04	0
0.585D+03	0	0.142D+04	0
0.669D+03	0	0.150D+04	0
0.752D+03	0	0.159D+04	0
0.836D+03	0	0.167D+04	2

LARGEST SPILL (KGRAMS) 0.167D+04 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.111D+04 TOT AMT SPILLED 0.334D+04

LARGEST HAZARD POTEN. 0.259D-02 SMALLEST HAZARD POTEN. 0.155D-05 AVE HZ. PT. 0.173D-02 TOT HAZARD PT. 0.519D-02

NUMBER OF SPILLS 3

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE FF665000 MATERIAL NAME CARBON DISULFIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.135D+01	1	0.149D+02	0
0.270D+01	0	0.162D+02	0
0.405D+01	0	0.176D+02	0
0.541D+01	0	0.189D+02	0
0.676D+01	0	0.203D+02	0
0.811D+01	0	0.216D+02	0
0.946D+01	0	0.230D+02	0
0.108D+02	0	0.243D+02	0
0.122D+02	0	0.257D+02	0
0.135D+02	0	0.270D+02	1

LARGEST SPILL (KGRAMS) 0.270D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.140D+02 TOT AMT SPILLED 0.280D+02

LARGEST HAZARD POTEN. 0.374D-01 SMALLEST HAZARD POTEN. 0.139D-02 AVE HZ. PT. 0.194D-01 TOT HAZARD PT. 0.388D-01

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.250D+03	6	0.275D+04	0
0.499D+03	0	0.300D+04	0
0.749D+03	0	0.325D+04	0
0.999D+03	0	0.350D+04	0
0.125D+04	0	0.375D+04	0
0.150D+04	0	0.400D+04	0
0.175D+04	0	0.425D+04	0
0.200D+04	0	0.450D+04	0
0.225D+04	0	0.475D+04	0
0.250D+04	0	0.499D+04	1

LARGEST SPILL (LITERS) 0.499D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.720D+03 TOT AMT SPILLED 0.504D+04

NUMBER OF SPILLS 7

MATERIAL CODE FQ367500 MATERIAL NAME CARBONOCHLORIDIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.550D+00	0
0.100D+00	0	0.600D+00	0
0.150D+00	0	0.650D+00	0
0.200D+00	0	0.700D+00	0
0.250D+00	0	0.750D+00	0
0.300D+00	0	0.800D+00	0
0.350D+00	0	0.850D+00	0
0.400D+00	0	0.900D+00	0
0.450D+00	0	0.950D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.883D-02 SMALLEST HAZARD POTEN. 0.883D-02 AVE HZ. PT. 0.883D-02 TOT HAZARD PT. 0.883D-02

NUMBER OF SPILLS 1

MATERIAL CODE FG490000 MATERIAL NAME CARBON TETRACHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.541D+04	5	0.595D+05	0
0.108D+05	0	0.649D+05	0
0.162D+05	0	0.703D+05	0
0.216D+05	0	0.757D+05	0
0.270D+05	0	0.811D+05	0
0.324D+05	0	0.865D+05	0
0.378D+05	0	0.919D+05	0
0.432D+05	0	0.973D+05	0
0.486D+05	0	0.103D+06	0
0.541D+05	0	0.108D+06	1

LARGEST SPILL (KGRAMS) 0.108D+06 SMALLEST SPILL (KGRAMS) 0.600D+01 AVE SPILL 0.185D+05 TOT AMT SPILLED 0.111D+06

LARGEST HAZARD POTEN. 0.375D+02 SMALLEST HAZARD POTEN. 0.208D-02 AVE HZ. PT. 0.642D+01 TOT HAZARD PT. 0.385D+02

NUMBER OF SPILLS 6

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	1	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.400D+01

NUMBER OF SPILLS 2

MATERIAL CODE FJG00000 MATERIAL NAME CELLULOSE TETRANITRATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	0	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	0	0.143D+02	0
0.440D+01	0	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	0	0.187D+02	0
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	0	0.220D+02	1

LARGEST SPILL (KGRAMS)	0.220D+02	SMALLEST SPILL (KGRAMS)	0.220D+02	AVE SPILL	0.220D+02	TOT AMT SPILLED	0.220D+02
LARGEST HAZARD POTEN.	0.107D-02	SMALLEST HAZARD POTEN.	0.107D-02	AVE HZ. PT.	0.107D-02	TOT HAZARD PT.	0.107D-02

NUMBER OF SPILLS 1

MATERIAL CODE F0052500 MATERIAL NAME CHLORIC ACID, SODIUMSALT 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	0	0.248D+02	0
0.450D+01	0	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	0	0.315D+02	0
0.113D+02	0	0.338D+02	0
0.135D+02	0	0.360D+02	0
0.158D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	0	0.450D+02	1

LARGEST SPILL (KGRAMS) 0.450D+02 SMALLEST SPILL (KGRAMS) 0.450D+02 AVE SPILL 0.450D+02 TOT AMT SPILLED 0.450D+02

LARGEST HAZARD POTEN. 0.364D-01 SMALLEST HAZARD POTEN. 0.364D-01 AVE HZ. PT. 0.364D-01 TOT HAZARD PT. 0.364D-01

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE FO210000 MATERIAL NAME CHLORINE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.125D+03	10	0.137D+04	2
0.249D+03	0	0.150D+04	0
0.374D+03	0	0.162D+04	0
0.498D+03	0	0.174D+04	0
0.623D+03	0	0.187D+04	0
0.748D+03	0	0.199D+04	0
0.872D+03	0	0.212D+04	0
0.997D+03	0	0.224D+04	0
0.112D+04	0	0.237D+04	0
0.125D+04	1	0.249D+04	1

LARGEST SPILL (KGRAMS) 0.249D+04 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.469D+03 TOT AMT SPILLED 0.657D+04

LARGEST HAZARD POTEN. 0.161D+02 SMALLEST HAZARD POTEN. 0.647D-02 AVE HZ. PT. 0.304D+01 TOT HAZARD PT. 0.425D+02

NUMBER OF SPILLS 14

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.170D+02	3	0.187D+03	0
0.340D+02	1	0.204D+03	0
0.511D+02	1	0.221D+03	0
0.681D+02	0	0.238D+03	0
0.851D+02	2	0.255D+03	0
0.102D+03	0	0.272D+03	0
0.119D+03	1	0.289D+03	0
0.136D+03	0	0.306D+03	0
0.153D+03	0	0.323D+03	0
0.170D+03	0	0.340D+03	1

LARGEST SPILL (LITERS) 0.340D+03 SMALLEST SPILL (LITERS) 0.303D+01 AVE SPILL 0.750D+02 TOT AMT SPILLED 0.675D+03

NUMBER OF SPILLS 9

MATERIAL CODE FQ300300 MATERIAL NAME CHLORINE OXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.647D-02 SMALLEST HAZARD POTEN. 0.647D-02 AVE HZ. PT. 0.647D-02 TOT HAZARD PT. 0.647D-02

NUMBER OF SPILLS 1

MATERIAL CODE FS910000 MATERIAL NAME CHLOROFORM 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.114D+03	6	0.125D+04	0
0.227D+03	1	0.136D+04	0
0.341D+03	0	0.148D+04	0
0.454D+03	0	0.159D+04	0
0.568D+03	0	0.170D+04	0
0.682D+03	0	0.182D+04	0
0.795D+03	0	0.193D+04	0
0.909D+03	0	0.205D+04	0
0.102D+04	0	0.216D+04	0
0.114D+04	0	0.227D+04	1

LARGEST SPILL (LITERS) 0.227D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.315D+03 TOT AMT SPILLED 0.252D+04

NUMBER OF SPILLS 8

MATERIAL CODE FUNGI MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE FUNGICI MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE FX573000 MATERIAL NAME CHLOROSULFURIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.151D+04	5	0.166D+05	0
0.302D+04	0	0.181D+05	0
0.453D+04	0	0.196D+05	0
0.605D+04	0	0.212D+05	0
0.756D+04	0	0.227D+05	0
0.907D+04	0	0.242D+05	0
0.106D+05	0	0.257D+05	0
0.121D+05	0	0.272D+05	0
0.136D+05	0	0.287D+05	0
0.151D+05	0	0.302D+05	1

LARGEST SPILL (LITERS) 0.302D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.518D+04 TOT AMT SPILLED 0.311D+05

NUMBER OF SPILLS 6

MATERIAL CODE GB245000 MATERIAL NAME CHROMIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.681D+01	2	0.749D+02	0
0.136D+02	0	0.817D+02	0
0.204D+02	0	0.885D+02	0
0.272D+02	1	0.953D+02	1
0.340D+02	0	0.102D+03	0
0.408D+02	0	0.109D+03	0
0.476D+02	0	0.116D+03	0
0.545D+02	0	0.123D+03	0
0.613D+02	0	0.129D+03	0
0.681D+02	0	0.136D+03	1

LARGEST SPILL (KGRAMS) 0.136D+03 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.500D+02 TOT AMT SPILLED 0.250D+03

LARGEST HAZARD POTEN. 0.220D+00 SMALLEST HAZARD POTEN. 0.162D-02 AVE HZ. PT. 0.810D-01 TOT HAZARD PT. 0.405D+00

NUMBER OF SPILLS 5

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+02	5	0.104D+04	0
0.189D+03	0	0.114D+04	0
0.284D+03	0	0.123D+04	0
0.378D+03	0	0.132D+04	0
0.473D+03	0	0.142D+04	0
0.568D+03	0	0.151D+04	0
0.662D+03	0	0.161D+04	0
0.757D+03	0	0.170D+04	0
0.851D+03	0	0.180D+04	0
0.946D+03	0	0.189D+04	1

LARGEST SPILL (LITERS) 0.189D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.338D+03 TOT AMT SPILLED 0.203D+04

NUMBER OF SPILLS 6

MATERIAL CODE GB267006 MATERIAL NAME CHROMIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.162D-02 SMALLEST HAZARD POTEN. 0.162D-02 AVE HZ. PT. 0.162D-02 TOT HAZARD PT 0.162D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE GB294000 MATERIAL NAME CHROMIC ACID DIPOTASSIUM SALT 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+04	0	0.416D+05	0
0.757D+04	0	0.454D+05	0
0.114D+05	0	0.492D+05	0
0.151D+05	0	0.530D+05	0
0.189D+05	0	0.568D+05	0
0.227D+05	0	0.605D+05	0
0.265D+05	0	0.643D+05	0
0.303D+05	0	0.681D+05	0
0.341D+05	0	0.719D+05	0
0.378D+05	0	0.757D+05	1

LARGEST SPILL (LITERS) 0.756D+05 SMALLEST SPILL (LITERS) 0.756D+05 AVE SPILL 0.756D+05 TOT AMT SPILLED 0.756D+05

NUMBER OF SPILLS 1

MATERIAL CODE GB295500 MATERIAL NAME CHROMIC ACID DISODIUM SALT 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+03	0	0.104D+05	0
0.189D+04	1	0.114D+05	0
0.284D+04	0	0.123D+05	0
0.378D+04	0	0.132D+05	0
0.473D+04	0	0.142D+05	0
0.568D+04	1	0.151D+05	0
0.662D+04	0	0.161D+05	0
0.757D+04	0	0.170D+05	0
0.851D+04	0	0.180D+05	0
0.946D+04	0	0.189D+05	1

LARGEST SPILL (LITERS) 0.189D+05 SMALLEST SPILL (LITERS) 0.101D+04 AVE SPILL 0.853D+04 TOT AMT SPILLED 0.256D+05

NUMBER OF SPILLS 3

MATERIAL CODE GERMICI MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+01	0	0.622D+02	0
0.113D+02	0	0.679D+02	0
0.170D+02	0	0.735D+02	0
0.226D+02	0	0.792D+02	0
0.283D+02	0	0.848D+02	0
0.339D+02	0	0.905D+02	0
0.396D+02	0	0.961D+02	0
0.452D+02	0	0.102D+03	0
0.509D+02	0	0.107D+03	0
0.566D+02	0	0.113D+03	1

LARGEST SPILL (LITERS) 0.113D+03 SMALLEST SPILL (LITERS) 0.113D+03 AVE SPILL 0.113D+03 TOT AMT SPILLED 0.113D+03

NUMBER OF SPILLS 1

MATERIAL CODE GF861500 MATERIAL NAME COAL TAR CREOSOTE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+03	0	0.622D+04	0
0.113D+04	0	0.679D+04	0
0.170D+04	0	0.735D+04	0
0.226D+04	0	0.792D+04	0
0.283D+04	0	0.848D+04	0
0.339D+04	0	0.905D+04	0
0.396D+04	0	0.961D+04	0
0.452D+04	0	0.102D+05	0
0.509D+04	1	0.107D+05	0
0.566D+04	0	0.113D+05	1

LARGEST SPILL (LITERS) 0.113D+05 SMALLEST SPILL (LITERS) 0.454D+04 AVE SPILL 0.792D+04 TOT AMT SPILLED 0.158D+05

NUMBER OF SPILLS 2

MATERIAL CODE GF861750 MATERIAL NAME COAL TAR DISTILATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS)	0.100D+01	SMALLEST SPILL (KGRAMS)	0.100D+01	AVE SPILL	0.100D+01	TOT AMT SPILLED	0.100D+01
LARGEST HAZARD POTEN.	0.134D-02	SMALLEST HAZARD POTEN.	0.134D-02	AVE HZ. PT.	0.134D-02	TOT HAZARD PT.	0.134D-02

NUMBER OF SPILLS 1

MATERIAL CODE GL532500 MATERIAL NAME COPPER 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.541D+01	0	0.595D+02	0
0.108D+02	0	0.649D+02	0
0.162D+02	0	0.703D+02	0
0.216D+02	0	0.757D+02	0
0.270D+02	0	0.811D+02	0
0.324D+02	0	0.865D+02	0
0.378D+02	0	0.919D+02	0
0.432D+02	0	0.973D+02	0
0.486D+02	0	0.103D+03	0
0.541D+02	0	0.108D+03	1

LARGEST SPILL (KGRAMS)	0.108D+03	SMALLEST SPILL (KGRAMS)	0.108D+03	AVE SPILL	0.108D+03	TOT AMT SPILLED	0.108D+03
LARGEST HAZARD POTEN.	0.210D+00	SMALLEST HAZARD POTEN.	0.210D+00	AVE HZ. PT.	0.210D+00	TOT HAZARD PT.	0.210D+00

NUMBER OF SPILLS 1

MATERIAL CODE GL890000 MATERIAL NAME COPPER SULFATE PENTAHYDRATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+03	2	0.416D+04	0
0.757D+03	0	0.454D+04	0
0.114D+04	0	0.492D+04	0
0.151D+04	0	0.530D+04	0
0.189D+04	0	0.568D+04	0
0.227D+04	0	0.605D+04	0
0.265D+04	0	0.643D+04	0
0.303D+04	0	0.681D+04	0
0.341D+04	0	0.719D+04	0
0.378D+04	0	0.757D+04	1

LARGEST SPILL (LITERS) 0.756D+04 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.265D+04 TOT AMT SPILLED 0.795D+04

NUMBER OF SPILLS 3

MATERIAL CODE GN455000 MATERIAL NAME COUMARIN 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE G0595000 MATERIAL NAME CRESOL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.601D+00	0	0.260D+01	0
0.801D+00	0	0.280D+01	0
0.100D+01	0	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.400D+01

LARGEST HAZARD POTEN. 0.267D-02 SMALLEST HAZARD POTEN. 0.267D-02 AVE HZ. PT. 0.267D-02 TOT HAZARD PT. 0.267D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+02	6	0.416D+03	0
0.757D+02	0	0.454D+03	0
0.114D+03	1	0.492D+03	0
0.151D+03	0	0.530D+03	0
0.189D+03	0	0.568D+03	0
0.227D+03	2	0.605D+03	0
0.265D+03	0	0.643D+03	0
0.303D+03	0	0.681D+03	0
0.341D+03	0	0.719D+03	0
0.378D+03	0	0.757D+03	1

LARGEST SPILL (LITERS) 0.756D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.134D+03 TOT AMT SPILLED 0.134D+04

NUMBER OF SPILLS 10

MATERIAL CODE G0717500 MATERIAL NAME CRESOL CHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE GP962500 MATERIAL NAME CROTONALDEHYDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	1	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.400D+01

NUMBER OF SPILLS 2

MATERIAL CODE GQ525000 MATERIAL NAME CROTONIC ACID HYDROXY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE GQ577500 MATERIAL NAME CROTONIC ACID ARATHANG 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.473D+03	0	0.521D+04	0
0.947D+03	0	0.568D+04	0
0.142D+04	0	0.616D+04	0
0.189D+04	0	0.663D+04	0
0.237D+04	0	0.710D+04	0
0.284D+04	0	0.758D+04	0
0.331D+04	0	0.805D+04	0
0.379D+04	0	0.852D+04	0
0.426D+04	0	0.900D+04	0
0.473D+04	0	0.947D+04	1

LARGEST SPILL (LITERS) 0.946D+04 SMALLEST SPILL (LITERS) 0.946D+04 AVE SPILL 0.946D+04 TOT AMT SPILLED 0.946D+04

NUMBER OF SPILLS 1

MATERIAL CODE GRAVORE MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE GS600000 MATERIAL NAME CYANAMID,CALCIUM SALT(1:1) 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE GS717500 MATERIAL NAME CYANIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	2

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.194D-01 SMALLEST HAZARD POTEN. 0.194D-01 AVE HZ. PT. 0.194D-01 TOT HAZARD PT. 0.388D-01

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.123D+05	7	0.135D+06	0
0.246D+05	0	0.148D+05	0
0.369D+05	0	0.160D+06	0
0.492D+05	0	0.172D+06	0
0.616D+05	0	0.185D+06	0
0.739D+05	0	0.197D+06	0
0.862D+05	0	0.209D+06	0
0.985D+05	0	0.222D+06	0
0.111D+06	0	0.234D+06	0
0.123D+06	0	0.246D+06	1

LARGEST SPILL (LITERS) 0.246D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.310D+05 TOT AMT SPILLED 0.248D+06

NUMBER OF SPILLS 8

MATERIAL CODE GU630000 MATERIAL NAME CYCLOHEXANE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	1	0.413D+02	0
0.751D+01	0	0.450D+02	1
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	2

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.495D+02 TOT AMT SPILLED 0.198D+03

NUMBER OF SPILLS 4

MATERIAL CODE GU875000 MATERIAL NAME CYCLOHEXANEDIAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE GV612500 MATERIAL NAME CYCLOHEXANE METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE GW105000 MATERIAL NAME CYCLOHEXANONE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	0	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.110D+02 AVE SPILL 0.110D+02 TOT AMT SPILLED 0.110D+02

NUMBER OF SPILLS 1

MATERIAL CODE GW507500 MATERIAL NAME H-CYCLOHEXENE-1,2-DICARBOXIMIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.108D-03 SMALLEST HAZARD POTEN. 0.108D-03 AVE HZ. PT. 0.108D-03 TOT HAZARD PT. 0.108D-03

NUMBER OF SPILLS 1

MATERIAL CODE GX070000 MATERIAL NAME CYCLOHEXYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.151D+02	0	0.166D+03	0
0.302D+02	0	0.181D+03	0
0.453D+02	0	0.196D+03	0
0.605D+02	0	0.212D+03	0
0.756D+02	0	0.227D+03	0
0.907D+02	0	0.242D+03	0
0.106D+03	0	0.257D+03	0
0.121D+03	0	0.272D+03	0
0.136D+03	0	0.287D+03	0
0.151D+03	0	0.302D+03	1

LARGEST SPILL (LITERS) 0.302D+03 SMALLEST SPILL (LITERS) 0.302D+03 AVE SPILL 0.302D+03 TOT AMT SPILLED 0.302D+03

NUMBER OF SPILLS 1

MATERIAL CODE DC052500 MATERIAL NAME BENZENETHIOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE DC840000 MATERIAL NAME BENZHYDLOL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.136D+02	0	0.150D+03	0
0.272D+02	0	0.163D+03	0
0.408D+02	0	0.177D+03	0
0.545D+02	0	0.191D+03	0
0.681D+02	0	0.204D+03	0
0.817D+02	0	0.218D+03	0
0.953D+02	0	0.231D+03	0
0.109D+03	0	0.245D+03	0
0.123D+03	0	0.259D+03	0
0.136D+03	0	0.272D+03	1

LARGEST SPILL (KGRAMS) 0.272D+03 SMALLEST SPILL (KGRAMS) 0.272D+03 AVE SPILL 0.272D+03 TOT AMT SPILLED 0.272D+03

LARGEST HAZARD POTEN. 0.459D+00 SMALLEST HAZARD POTEN. 0.459D+00 AVE HZ. PT. 0.459D+00 TOT HAZARD PT. 0.459D+00

NUMBER OF SPILLS 1

MATERIAL CODE DE303000 MATERIAL NAME BENZIN 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.473D+02	1	0.521D+03	0
0.947D+02	1	0.568D+03	0
0.142D+03	0	0.616D+03	0
0.189D+03	1	0.663D+03	0
0.237D+03	0	0.710D+03	0
0.284D+03	0	0.758D+03	0
0.331D+03	0	0.805D+03	0
0.379D+03	0	0.852D+03	0
0.426D+03	0	0.900D+03	0
0.473D+03	0	0.947D+03	1

LARGEST SPILL (LITERS) 0.946D+03 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.312D+03 TOT AMT SPILLED 0.125D+04

NUMBER OF SPILLS 4

MATERIAL CODE DH770000 MATERIAL NAME BENZOIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.280D+01	0	0.308D+02	0
0.561D+01	0	0.336D+02	0
0.841D+01	0	0.364D+02	0
0.112D+02	0	0.392D+02	0
0.140D+02	0	0.420D+02	0
0.168D+02	0	0.448D+02	0
0.196D+02	0	0.476D+02	0
0.224D+02	0	0.505D+02	0
0.252D+02	0	0.533D+02	0
0.280D+02	0	0.561D+02	1

LARGEST SPILL (LITERS) 0.560D+02 SMALLEST SPILL (LITERS) 0.560D+02 AVE SPILL 0.560D+02 TOT AMT SPILLED 0.560D+02

NUMBER OF SPILLS 1

MATERIAL CODE DIEKOTE MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.189D+03

NUMBER OF SPILLS 1

MATERIAL CODE DK262500 MATERIAL NAME BENZOQUINONE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.651D+00	0	0.716D+01	0
0.130D+01	0	0.781D+01	0
0.195D+01	0	0.846D+01	0
0.260D+01	0	0.911D+01	0
0.325D+01	0	0.976D+01	0
0.390D+01	0	0.104D+02	0
0.455D+01	0	0.111D+02	0
0.521D+01	0	0.117D+02	0
0.586D+01	0	0.124D+02	0
0.651D+01	0	0.130D+02	1

LARGEST SPILL (KGRAMS) 0.130D+02 SMALLEST SPILL (KGRAMS) 0.130D+02 AVE SPILL 0.130D+02 TOT AMT SPILLED 0.130D+02

LARGEST HAZARD POTEN. 0.971D-01 SMALLEST HAZARD POTEN. 0.971D-01 AVE HZ. PT. 0.971D-01 TOT HAZARD PT. 0.971D-01

NUMBER OF SPILLS 1

MATERIAL CODE DM612500 MATERIAL NAME BENZOYL-ISOTHIOHYDANTOIN 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	0	0.248D+02	0
0.450D+01	0	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	0	0.315D+02	0
0.113D+02	0	0.338D+02	0
0.135D+02	0	0.360D+02	0
0.158D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	0	0.450D+02	1

LARGEST SPILL (KGRAMS)	0.450D+02	SMALLEST SPILL (KGRAMS)	0.450D+02	AVE SPILL	0.450D+02	TOT AMT SPILLED	0.450D+02
LARGEST HAZARD POTEN.	0.546D-01	SMALLEST HAZARD POTEN.	0.546D-01	AVE HZ. PT.	0.546D-01	TOT HAZARD PT.	0.546D-01

NUMBER OF SPILLS 1

MATERIAL CODE DM660000 MATERIAL NAME BENZOYL CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.100D+00	0	0.110D+01	0
0.200D+00	0	0.120D+01	0
0.300D+00	0	0.130D+01	0
0.400D+00	0	0.140D+01	0
0.500D+00	0	0.150D+01	0
0.601D+00	0	0.160D+01	0
0.701D+00	0	0.170D+01	0
0.801D+00	0	0.180D+01	0
0.901D+00	0	0.190D+01	0
0.100D+01	0	0.200D+01	1

LARGEST SPILL (KGRAMS) 0.200D+01 SMALLEST SPILL (KGRAMS) 0.200D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.485D-02 SMALLEST HAZARD POTEN. 0.485D-02 AVE HZ. PT. 0.485D-02 TOT HAZARD PT. 0.485D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.208D+02	3	0.229D+03	0
0.416D+02	0	0.250D+03	0
0.625D+02	0	0.271D+03	0
0.833D+02	0	0.291D+03	0
0.104D+03	0	0.312D+03	0
0.125D+03	0	0.333D+03	0
0.146D+03	0	0.354D+03	0
0.167D+03	0	0.375D+03	0
0.187D+03	0	0.396D+03	0
0.208D+03	1	0.416D+03	1

LARGEST SPILL (LITERS) 0.416D+03 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.128D+03 TOT AMT SPILLED 0.641D+03

NUMBER OF SPILLS 5

MATERIAL CODE DM857500 MATERIAL NAME BENZOYL PEROXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.10. 1 SMALLEST HAZARD POTEN. 0.102D-02 AVE HZ. PT. 0.102D-02 TOT HAZARD PT. 0.102D-02

NUMBER OF SPILLS 1

MATERIAL CODE DN315000 MATERIAL NAME BENZYL ALCOHOL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.123D+02	0	0.135D+03	0
0.246D+02	0	0.148D+03	0
0.369D+02	0	0.160D+03	0
0.492D+02	0	0.172D+03	0
0.616D+02	0	0.185D+03	0
0.739D+02	0	0.197D+03	0
0.862D+02	0	0.209D+03	0
0.985D+02	0	0.222D+03	0
0.111D+03	0	0.234D+03	0
0.123D+03	0	0.246D+03	1

LARGEST SPILL (KGRAMS) 0.246D+03 SMALLEST SPILL (KGRAMS) 0.246D+03 AVE SPILL 0.246D+03 TOT AMT SPILLED 0.246D+03

LARGEST HAZARD POTEN. 0.194D+00 SMALLEST HAZARD POTEN. 0.194D+00 AVE HZ. PT. 0.194D+00 TOT HAZARD PT. 0.194D+00

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.35D+00	0	0.385D+01	0
0.70D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE DURSHAN MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE DV150000 MATERIAL NAME BIPHENYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+02	0	0.208D+03	0
0.378D+02	0	0.227D+03	0
0.568D+02	0	0.246D+03	0
0.757D+02	0	0.265D+03	0
0.946D+02	0	0.284D+03	0
0.114D+03	0	0.303D+03	0
0.132D+03	0	0.322D+03	0
0.151D+03	0	0.341D+03	0
0.170D+03	0	0.359D+03	0
0.189D+03	0	0.378D+03	1

LARGEST SPILL (LITERS) 0.378D+03 SMALLEST SPILL (LITERS) 0.378D+03 AVE SPILL 0.378D+03 TOT AMT SPILLED 0.378D+03

NUMBER OF SPILLS 1

MATERIAL CODE GY122500 MATERIAL NAME CYCLOPENTADIENE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.916D+02	0	0.101D+04	0
0.183D+03	0	0.110D+04	0
0.275D+03	0	0.119D+04	0
0.366D+03	0	0.128D+04	0
0.458D+03	0	0.137D+04	0
0.550D+03	0	0.147D+04	0
0.641D+03	0	0.156D+04	0
0.733D+03	0	0.165D+04	0
0.824D+03	0	0.174D+04	0
0.916D+03	1	0.183D+04	1

LARGEST SPILL (KGRAMS) 0.183D+04 SMALLEST SPILL (KGRAMS) 0.907D+03 AVE SPILL 0.137D+04 TOT AMT SPILLED 0.274D+04

LARGEST HAZARD POTEN. 0.157D+02 SMALLEST HAZARD POTEN. 0.779D+01 AVE HZ. PT. 0.117D+02 TOT HAZARD PT. 0.235D+02

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+08	0	0.208D+09	0
0.378D+08	0	0.227D+09	0
0.568D+08	0	0.246D+09	0
0.757D+08	0	0.265D+09	0
0.946D+08	0	0.284D+09	0
0.114D+09	0	0.303D+09	0
0.132D+09	0	0.322D+09	0
0.151D+09	0	0.341D+09	0
0.170D+09	0	0.359D+09	0
0.189D+09	0	0.378D+09	1

LARGEST SPILL (LITERS) 0.378D+09 SMALLEST SPILL (LITERS) 0.378D+09 AVE SPILL 0.378D+09 TOT AMT SPILLED 0.378D+09

NUMBER OF SPILLS 1

MATERIAL CODE HEBBICI MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE HERBICI MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.926D+02	10	0.102D+04	0
0.185D+03	0	0.111D+04	0
0.278D+03	0	0.120D+04	0
0.370D+03	0	0.130D+04	0
0.463D+03	0	0.139D+04	0
0.556D+03	0	0.148D+04	0
0.648D+03	0	0.157D+04	0
0.741D+03	0	0.167D+04	0
0.833D+03	0	0.176D+04	0
0.926D+03	0	0.185D+04	1

LARGEST SPILL (KGRAMS) 0.185D+04 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.183D+03 TOT AMT SPILLED 0.202D+04

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 11

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.274D+02	58	0.302D+03	0
0.549D+02	7	0.329D+03	0
0.823D+02	5	0.357D+03	0
0.110D+03	0	0.384D+03	0
0.137D+03	5	0.411D+03	0
0.165D+03	0	0.439D+03	0
0.192D+03	0	0.466D+03	0
0.219D+03	0	0.494D+03	0
0.247D+03	0	0.521D+03	0
0.274D+03	0	0.549D+03	1

LARGEST SPILL (LITERS) 0.548D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.297D+02 TOT AMT SPILLED 0.226D+04

NUMBER OF SPILLS 76

MATERIAL CODE HERBICT MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.130D+01	0	0.143D+02	0
0.260D+01	0	0.156D+02	0
0.390D+01	0	0.169D+02	0
0.521D+01	0	0.182D+02	0
0.651D+01	0	0.195D+02	0
0.781D+01	0	0.208D+02	0
0.911D+01	0	0.221D+02	0
0.104D+02	0	0.234D+02	0
0.117D+02	0	0.247D+02	0
0.130D+02	0	0.260D+02	1

LARGEST SPILL (LITERS) 0.260D+02 SMALLEST SPILL (LITERS) 0.260D+02 AVE SPILL 0.260D+02 TOT AMT SPILLED 0.260D+02

NUMBER OF SPILLS 1

MATERIAL CODE HEXCHRO MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.112D+03	0	0.123D+04	0
0.223D+03	0	0.134D+04	0
0.335D+03	0	0.145D+04	0
0.446D+03	0	0.156D+04	0
0.558D+03	0	0.167D+04	0
0.670D+03	0	0.179D+04	0
0.781D+03	0	0.190D+04	0
0.893D+03	0	0.201D+04	0
0.100D+04	0	0.212D+04	0
0.112D+04	0	0.223D+04	1

LARGEST SPILL (LITERS) 0.223D+04 SMALLEST SPILL (LITERS) 0.223D+04 AVE SPILL 0.223D+04 TOT AMT SPILLED 0.223D+04

NUMBER OF SPILLS 1

MATERIAL CODE HE437500 MATERIAL NAME DECYL ALCOHOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500C-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE HP262500 MATERIAL NAME DIBENZEPINE HYDROCHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.341D+04	0	0.375D+05	0
0.682D+04	0	0.409D+05	0
0.102D+05	0	0.443D+05	0
0.136D+05	0	0.477D+05	0
0.170D+05	0	0.511D+05	0
0.205D+05	0	0.545D+05	0
0.239D+05	0	0.579D+05	0
0.273D+05	0	0.614D+05	0
0.307D+05	0	0.648D+05	0
0.341D+05	0	0.682D+05	1

LARGEST SPILL (LITERS) 0.681D+05 SMALLEST SPILL (LITERS) 0.681D+05 AVE SPILL 0.681D+05 TOT AMT SPILLED 0.681D+05

NUMBER OF SPILLS 1

MATERIAL CODE HX765000 MATERIAL NAME DICHROMIC ACID DIAMMONIUM SALT 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.647D-04 SMALLEST HAZARD POTEN. 0.647D-04 AVE HZ. PT. 0.647D-04 TOT HAZARD PT. 0.647D-04

NUMBER OF SPILLS 1

MATERIAL CODE HX770000 MATERIAL NAME DICHROMIC ACID DISODIUM SALT 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.189D+03

NUMBER OF SPILLS 1

MATERIAL CODE HZ180000 MATERIAL NAME DIESEL FUELS 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	2

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.378D+03

NUMBER OF SPILLS 2

MATERIAL CODE HZ875000 MATERIAL NAME DIETHYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE IE122500 MATERIAL NAME DIETHYLENETRIAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.470D+01	1	0.518D+02	0
0.941D+01	0	0.565D+02	1
0.141D+02	0	0.612D+02	0
0.188D+02	0	0.659D+02	0
0.235D+02	0	0.706D+02	0
0.282D+02	0	0.753D+02	0
0.329D+02	0	0.800D+02	0
0.376D+02	0	0.847D+02	0
0.423D+02	0	0.894D+02	0
0.470D+02	0	0.941D+02	1

LARGEST SPILL (LITERS) 0.940D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.490D+02 TOT AMT SPILLED 0.147D+03

NUMBER OF SPILLS 3

MATERIAL CODE IE210000 MATERIAL NAME DIETHYLENETRIAMINE PENTAMETHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE INSECTC MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE INSECTI MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+01	27	0.622D+02	0
0.113D+02	0	0.679D+02	0
0.170D+02	0	0.735D+02	0
0.226D+02	3	0.792D+02	0
0.283D+02	0	0.848D+02	0
0.339D+02	0	0.905D+02	2
0.396D+02	0	0.961D+02	0
0.452D+02	0	0.102D+03	0
0.509D+02	0	0.107D+03	0
0.566D+02	0	0.113D+03	1

LARGEST SPILL (KGRAMS) 0.113D+03 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.118D+02 TOT AMT SPILLED 0.388D+03

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 33

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+03	143	0.208D+04	0
0.379D+03	4	0.227D+04	0
0.568D+03	0	0.246D+04	0
0.757D+03	1	0.265D+04	0
0.946D+03	0	0.284D+04	0
0.114D+04	0	0.303D+04	0
0.132D+04	0	0.322D+04	0
0.151D+04	0	0.341D+04	0
0.170D+04	0	0.359D+04	0
0.189D+04	0	0.378D+04	1

LARGEST SPILL (LITERS) 0.378D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.477D+02 TOT AMT SPILLED 0.711D+04

NUMBER OF SPILLS 149

MATERIAL CODE INSECTIC MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.601D+00	0	0.260D+01	0
0.801D+00	0	0.280D+01	0
0.100D+01	0	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.400D+01

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE INSECT2 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	0	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.208D+03 AVE SPILL 0.208D+03 TOT AMT SPILLED 0.208D+03

NUMBER OF SPILLS 1

MATERIAL CODE IO175000 MATERIAL NAME DIMENTHANONAPHTHALENE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	0	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.750D+02 AVE SPILL 0.750D+02 TOT AMT SPILLED 0.750D+02

NUMBER OF SPILLS 1

MATERIAL CODE IP875000 MATERIAL NAME DIMETHYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.661D+01	0	0.727D+02	0
0.132D+02	0	0.793D+02	0
0.198D+02	0	0.859D+02	0
0.264D+02	0	0.925D+02	0
0.330D+02	0	0.991D+02	0
0.396D+02	0	0.106D+03	0
0.462D+02	0	0.112D+03	0
0.529D+02	0	0.119D+03	0
0.595D+02	0	0.126D+03	0
0.661D+02	0	0.132D+03	1

LARGEST SPILL (LITERS) 0.132D+03 SMALLEST SPILL (LITERS) 0.132D+03 AVE SPILL 0.132D+03 TOT AMT SPILLED 0.132D+03

NUMBER OF SPILLS 1

MATERIAL CODE JJ780000 MATERIAL NAME DIPHENYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE JO420000 MATERIAL NAME DITHANE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.601D+00	0	0.260D+01	0
0.801D+00	0	0.280D+01	0
0.100D+01	0	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.400D+01

LARGEST HAZARD POTEN. 0.777D-03 SMALLEST HAZARD POTEN. 0.777D-03 AVE HZ. PT. 0.777D-03 TOT HAZARD PT. 0.777D-03

NUMBER OF SPILLS 1

MATERIAL CODE JP210000 MATERIAL NAME DITHIOIXOUS ACID DISODIUM SALT 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+01	3	0.622D+02	0
0.113D+02	0	0.679D+02	0
0.170D+02	0	0.735D+02	0
0.226D+02	1	0.792D+02	0
0.283D+02	0	0.848D+02	0
0.339D+02	0	0.905D+02	0
0.396D+02	0	0.961D+02	0
0.452D+02	0	0.102D+03	0
0.509D+02	0	0.107D+03	0
0.566D+02	0	0.113D+03	1

LARGEST SPILL (KGRAMS) 0.113D+03 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.284D+02 TOT AMT SPILLED 0.142D+03

LARGEST HAZARD POTEN. 0.686D-02 SMALLEST HAZARD POTEN. 0.607D-04 AVE HZ. PT. 0.172D-02 TOT HAZARD PT. 0.861D-02

NUMBER OF SPILLS 5

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+01	2	0.622D+02	0
0.113D+02	0	0.679D+02	0
0.170D+02	0	0.735D+02	0
0.226D+02	0	0.792D+02	0
0.283D+02	0	0.848D+02	0
0.339D+02	0	0.905D+02	0
0.396D+02	0	0.961D+02	0
0.452D+02	0	0.102D+03	0
0.509D+02	0	0.107D+03	0
0.566D+02	0	0.113D+03	1

LARGEST SPILL (LITERS) 0.113D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.390D+02 TOT AMT SPILLED 0.117D+03

NUMBER OF SPILLS 3

MATERIAL CODE KH210000 MATERIAL NAME ETHANAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+02	0	0.208D+03	0
0.378D+02	0	0.227D+03	0
0.568D+02	0	0.246D+03	0
0.757D+02	0	0.265D+03	0
0.946D+02	0	0.284D+03	0
0.114D+03	0	0.303D+03	0
0.132D+03	0	0.322D+03	0
0.151D+03	0	0.341D+03	0
0.170D+03	0	0.359D+03	0
0.189D+03	1	0.378D+03	1

LARGEST SPILL (LITERS) 0.378D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.284D+03 TOT AMT SPILLED 0.567D+03

NUMBER OF SPILLS 2

MATERIAL CODE KH315000 MATERIAL NAME ETHANAMINIUM TRIETHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE KH857500 MATERIAL NAME ETHANEDIAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE KH858500 MATERIAL NAME ETHANEDIAMINE AMINOETHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE KI017500 MATERIAL NAME ETHANE 1,1-DICHLORO- 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE KI052500 MATERIAL NAME ETHANE DICHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+01	1	0.622D+02	0
0.113D+02	0	0.679D+02	0
0.170D+02	0	0.735D+02	0
0.226D+02	1	0.792D+02	1
0.283D+02	0	0.848D+02	0
0.339D+02	0	0.905D+02	0
0.396D+02	0	0.961D+02	0
0.452D+02	0	0.102D+03	0
0.509D+02	0	0.107D+03	0
0.566D+02	0	0.113D+03	1

LARGEST SPILL (LITERS) 0.113D+03 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.523D+02 TOT AMT SPILLED 0.209D+03

NUMBER OF SPILLS 4

MATERIAL CODE KI577500 MATERIAL NAME ETHANE OXYBIS 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.571D-03 SMALLEST HAZARD POTEN. 0.571D-03 AVE HZ. PT. 0.571D-03 TOT HAZARD PT. 0.571D-03

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.473D+02	4	0.521D+03	0
0.947D+02	2	0.569D+03	0
0.142D+03	1	0.616D+03	0
0.189D+03	0	0.663D+03	0
0.237D+03	0	0.710D+03	0
0.284D+03	0	0.758D+03	0
0.331D+03	0	0.805D+03	0
0.379D+03	0	0.852D+03	0
0.426D+03	0	0.900D+03	0
0.473D+03	0	0.947D+03	1

LARGEST SPILL (LITERS) 0.946D+03 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.153D+03 TOT AMT SPILLED 0.123D+04

NUMBER OF SPILLS 8

MATERIAL CODE KI962500 MATERIAL NAME ETHANETHIOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE KJ297500 MATERIAL NAME ETHANE TRICHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	1	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.125D+02 TOT AMT SPILLED 0.250D+02

NUMBER OF SPILLS 2

MATERIAL CODE KJ315000 MATERIAL NAME ETHACE TRICHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	1	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.950D+01 TOT AMT SPILLED 0.190D+02

NUMBER OF SPILLS 2

MATERIAL CODE KJ577500 MATERIAL NAME ETHANOL AMINO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.546D+01	2	0.600D+02	0
0.109D+02	0	0.655D+02	0
0.164D+02	0	0.709D+02	0
0.218D+02	0	0.764D+02	0
0.273D+02	0	0.818D+02	0
0.327D+02	0	0.873D+02	0
0.382D+02	0	0.927D+02	0
0.436D+02	0	0.982D+02	0
0.491D+02	0	0.104D+03	0
0.546D+02	1	0.109D+03	1

LARGEST SPILL (LITERS) 0.109D+03 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.418D+02 TOT AMT SPILLED 0.167D+03

NUMBER OF SPILLS 4

MATERIAL CODE KJ857500 MATERIAL NAME ETHANOL2BUTOXY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+02	1	0.208D+03	0
0.378D+02	0	0.227D+03	0
0.568D+02	0	0.246D+03	0
0.757D+02	0	0.265D+03	0
0.946D+02	0	0.284D+03	0
0.114D+03	0	0.303D+03	0
0.132D+03	0	0.322D+03	0
0.151D+03	0	0.341D+03	0
0.170D+03	0	0.359D+03	0
0.189D+03	2	0.378D+03	1

LARGEST SPILL (LITERS) 0.378D+03 SMALLEST SPILL (LITERS) 0.30CD+01 AVE SPILL 0.190D+03 TOT AMT SPILLED 0.759D+03

NUMBER OF SPILLS 4

MATERIAL CODE KK087500 MATERIAL NAME ETHANOL CHLORO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.5C0D-01	0	0.551D+00	0
0.(CD+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.167D-01 SMALLEST HAZARD POTEN. 0.167D-01 AVE HZ. PT. 0.167D-01 TOT HAZARD PT. 0.167D-01

NUMBER OF SPILLS 1

MATERIAL CODE KK822500 MATERIAL NAME ETHANOL ETHOXY ACETATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE KL560000 MATERIAL NAME ETHANOL MERCAPTO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE KQ595000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.473D+03	0	0.521D+04	0
0.947D+03	0	0.568D+04	0
0.142D+04	0	0.616D+04	0
0.189D+04	0	0.663D+04	0
0.237D+04	0	0.710D+04	0
0.284D+04	0	0.758D+04	0
0.331D+04	0	0.803D+04	0
0.379D+04	0	0.852D+04	0
0.426D+04	0	0.900D+04	0
0.473D+04	0	0.947D+04	1

LARGEST SPILL (LITERS) 0.946D+04 SMALLEST SPILL (LITERS) 0.946D+04 AVE SPILL 0.946D+04 TOT AMT SPILLED 0.946D+04

NUMBER OF SPILLS 1

MATERIAL CODE KQ630000 MATERIAL NAME ETHYL ALCOHOL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	4

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.400D+01

LARGEST HAZARD POTEN. 0.693D-04 SMALLEST HAZARD POTEN. 0.693D-04 AVE HZ. PT. 0.693D-04 TOT HAZARD PT. 0.277D-03

NUMBER OF SPILLS 4

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+06	60	0.115D+07	0
0.208D+06	0	0.125D+07	0
0.312D+06	0	0.135D+07	0
0.416D+06	0	0.146D+07	0
0.521D+06	0	0.156D+07	0
0.625D+06	0	0.167D+07	0
0.729D+06	0	0.177D+07	0
0.833D+06	0	0.187D+07	0
0.937D+06	0	0.198D+07	0
0.104D+07	0	0.208D+07	2

LARGEST SPILL (LITERS) 0.208D+07 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.674D+05 TOT AMT SPILLED 0.418D+07

NUMBER OF SPILLS 62

MATERIAL CODE KRYPTON MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.135D+01	0	0.149D+02	0
0.270D+01	0	0.162D+02	0
0.405D+01	0	0.176D+02	0
0.541D+01	0	0.189D+02	0
0.676D+01	0	0.203D+02	0
0.811D+01	0	0.216D+02	0
0.946D+01	0	0.230D+02	0
0.108D+02	0	0.243D+02	0
0.122D+02	0	0.257D+02	0
0.135D+02	0	0.270D+02	1

LARGEST SPILL (KGRAMS) 0.270D+02 SMALLEST SPILL (KGRAMS) 0.270D+02 AVE SPILL 0.270D+02 TOT AMT SPILLED 0.270D+02

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE KR875000 MATERIAL NAME ETHYLAMINE,2-METHOXY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.681D+01	0	0.749D+02	0
0.136D+02	0	0.817D+02	0
0.204D+02	0	0.885D+02	0
0.272D+02	0	0.953D+02	0
0.340D+02	0	0.102D+03	0
0.408D+02	0	0.109D+03	0
0.476D+02	0	0.116D+03	0
0.545D+02	0	0.123D+03	0
0.613D+02	0	0.129D+03	0
0.681D+02	0	0.136D+03	1

LARGEST SPILL (LITERS) 0.136D+03 SMALLEST SPILL (LITERS) 0.136D+03 AVE SPILL 0.136D+03 TOT AMT SPILLED 0.136D+03

NUMBER OF SPILLS 1

MATERIAL CODE KU534000 MATERIAL NAME ETHYLENE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.113D+02	0	0.124D+03	0
0.226D+02	0	0.136D+03	0
0.339D+02	0	0.147D+03	0
0.452D+02	0	0.158D+03	0
0.566D+02	0	0.170D+03	0
0.679D+02	0	0.181D+03	0
0.792D+02	0	0.192D+03	0
0.905D+02	0	0.204D+03	0
0.102D+03	0	0.215D+03	0
0.113D+03	0	0.226D+03	1

LARGEST SPILL (KGRAMS) 0.226D+03 SMALLEST SPILL (KGRAMS) 0.226D+03 AVE SPILL 0.226D+03 TOT AMT SPILLED 0.226D+03

LARGEST HAZARD POTEN. 0.366D-01 SMALLEST HAZARD POTEN. 0.366D-01 AVE HZ. PT. 0.366D-01 TOT HAZARD PT. 0.366D-01

NUMBER OF SPILLS 1

MATERIAL CODE KU962500 MATERIAL NAME ETHYLENE CHLORD 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+04	1	0.622D+05	0
0.113D+05	0	0.679D+05	0
0.170D+05	0	0.735D+05	0
0.226D+05	0	0.792D+05	0
0.283D+05	0	0.848D+05	0
0.339D+05	0	0.905D+05	0
0.396D+05	0	0.961D+05	0
0.452D+05	0	0.102D+06	0
0.509D+05	0	0.107D+06	0
0.566D+05	0	0.113D+06	1

LARGEST SPILL (LITERS) 0.113D+06 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.566D+05 TOT AMT SPILLED 0.113D+06

NUMBER OF SPILLS 2

MATERIAL CODE KV035000 MATERIAL NAME ETHYLENE CHLORO- POLYMER 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.541D+01	0	0.595D+02	0
0.108D+02	0	0.649D+02	0
0.162D+02	0	0.703D+02	0
0.216D+02	0	0.757D+02	0
0.270D+02	0	0.811D+02	0
0.324D+02	0	0.865D+02	0
0.378D+02	0	0.919D+02	0
0.432D+02	0	0.973D+02	0
0.486D+02	0	0.103D+03	0
0.541D+02	0	0.108D+03	1

LARGEST SPILL (KGRAMS) 0.108D+03 SMALLEST SPILL (KGRAMS) 0.108D+03 AVE SPILL 0.108D+03 TOT AMT SPILLED 0.108D+03

LARGEST HAZARD POTEN. 0.105D+00 SMALLEST HAZARD POTEN. 0.105D+00 AVE HZ. PT. 0.105D+00 TOT HAZARD PT. 0.105D+00

NUMBER OF SPILLS 1

MATERIAL CODE KW297500 MATERIAL NAME ETHYLENE GLYCOL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.450D+00	0	0.495D+01	0
0.901D+00	0	0.541D+01	0
0.135D+01	0	0.586D+01	0
0.180D+01	0	0.631D+01	0
0.225D+01	0	0.676D+01	0
0.270D+01	0	0.721D+01	0
0.315D+01	0	0.766D+01	0
0.360D+01	0	0.811D+01	0
0.405D+01	0	0.856D+01	0
0.450D+01	0	0.901D+01	1

LARGEST SPILL (KGRAMS) 0.900D+01 SMALLEST SPILL (KGRAMS) 0.900D+01 AVE SPILL 0.900D+01 TOT AMT SPILLED 0.900D+01

LARGEST HAZARD POTEN. 0.150D-02 SMALLEST HAZARD POTEN. 0.150D-02 AVE HZ. PT. 0.150D-02 TOT HAZARD PT. 0.150D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+02	2	0.622D+03	0
0.113D+03	1	0.679D+03	0
0.170D+03	0	0.735D+03	0
0.226D+03	0	0.792D+03	0
0.283D+03	0	0.848D+03	0
0.339D+03	0	0.905D+03	0
0.396D+03	0	0.961D+03	0
0.452D+03	0	0.102D+04	0
0.509D+03	0	0.107D+04	0
0.566D+03	0	0.113D+04	1

LARGEST SPILL (LITERS) 0.113D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.307D+03 TOT AMT SPILLED 0.123D+04

NUMBER OF SPILLS 4

MATERIAL CODE KX245000 MATERIAL NAME ETHYLENE OXIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+04	0	0.416D+05	0
0.757D+04	1	0.454D+05	0
0.114D+05	0	0.492D+05	0
0.151D+05	0	0.530D+05	0
0.189D+05	0	0.568D+05	0
0.227D+05	0	0.605D+05	0
0.265D+05	0	0.643D+05	0
0.303D+05	0	0.681D+05	0
0.341D+05	0	0.719D+05	0
0.378D+05	0	0.757D+05	1

LARGEST SPILL (LITERS) 0.756D+05 SMALLEST SPILL (LITERS) 0.756D+04 AVE SPILL 0.416D+05 TOT AMT SPILLED 0.832D+05

NUMBER OF SPILLS 2

MATERIAL CODE KX385000 MATERIAL NAME ETHYLENE TETRACHLORD 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.227D+03	3	0.250D+04	0
0.454D+03	0	0.273D+04	0
0.682D+03	0	0.295D+04	0
0.909D+03	1	0.318D+04	0
0.114D+04	0	0.341D+04	0
0.136D+04	0	0.364D+04	0
0.159D+04	0	0.386D+04	0
0.182D+04	0	0.409D+04	0
0.205D+04	1	0.432D+04	0
0.227D+04	0	0.454D+04	1

LARGEST SPILL (LITERS) 0.454D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.123D+04 TOT AMT SPILLED 0.738D+04

NUMBER OF SPILLS 6

MATERIAL CODE KX455000 MATERIAL NAME ETHYLENE TRICHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+02	1	0.104D+04	0
0.189D+03	0	0.114D+04	0
0.284D+03	0	0.123D+04	0
0.378D+03	0	0.132D+04	0
0.473D+03	0	0.142D+04	0
0.568D+03	0	0.151D+04	0
0.662D+03	0	0.161D+04	0
0.757D+03	0	0.170D+04	0
0.851D+03	0	0.180D+04	0
0.946D+03	0	0.189D+04	1

LARGEST SPILL (LITERS) 0.189D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.946D+03 TOT AMT SPILLED 0.189D+04

NUMBER OF SPILLS 2

MATERIAL CODE KX507500 MATERIAL NAME ETHYLENIMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE LACQ MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.160D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE LI910000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.199D+03	5	0.219D+04	0
0.397D+03	0	0.238D+04	0
0.596D+03	0	0.258D+04	0
0.795D+03	0	0.278D+04	0
0.993D+03	0	0.298D+04	0
0.119D+04	0	0.318D+04	0
0.139D+04	0	0.338D+04	0
0.159D+04	0	0.358D+04	0
0.179D+04	0	0.378D+04	0
0.199D+04	0	0.397D+04	1

LARGEST SPILL (LITERS) 0.397D+04 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.746D+03 TOT AMT SPILLED 0.448D+04

NUMBER OF SPILLS 6

MATERIAL CODE LI915000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+02	1	0.621D+03	0
0.113D+03	0	0.679D+03	0
0.170D+03	0	0.735D+03	0
0.226D+03	0	0.792D+03	0
0.283D+03	0	0.848D+03	0
0.339D+03	0	0.905D+03	0
0.396D+03	0	0.961D+03	0
0.452D+03	0	0.102D+04	0
0.509D+03	0	0.107D+04	0
0.566D+03	0	0.113D+04	1

LARGEST SPILL (LITERS) 0.113D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.566D+03 TOT AMT SPILLED 0.113D+04

NUMBER OF SPILLS 2

MATERIAL CODE LJ910000 MATERIAL NAME FERRIC CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE LJ915000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+02	1	0.104D+04	0
0.189D+03	0	0.114D+04	0
0.284D+03	0	0.123D+04	0
0.378D+03	0	0.132D+04	0
0.473D+03	0	0.142D+04	0
0.568D+03	0	0.151D+04	0
0.662D+03	0	0.161D+04	0
0.757D+03	0	0.170D+04	0
0.851D+03	0	0.180D+04	0
0.946D+03	0	0.189D+04	1

LARGEST SPILL (LITERS) 0.189D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.946D+03 TOT AMT SPILLED 0.189D+04

NUMBER OF SPILLS 2

MATERIAL CODE LP071500 MATERIAL NAME FLUOROSULPHURIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.181D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE LP892500 MATERIAL NAME FORMALDEHYDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.746D+01	1	0.820D+02	0
0.149D+02	0	0.895D+02	0
0.224D+02	0	0.969D+02	0
0.298D+02	0	0.104D+03	0
0.373D+02	0	0.112D+03	0
0.447D+02	0	0.119D+03	0
0.522D+02	0	0.127D+03	0
0.597D+02	0	0.134D+03	0
0.671D+02	0	0.142D+03	0
0.746D+02	0	0.149D+03	1

LARGEST SPILL (KGRAMS) 0.149D+03 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.750D+02 TOT AMT SPILLED 0.150D+03

LARGEST HAZARD POTEN. 0.181D+00 SMALLEST HAZARD POTEN. 0.121D-02 AVE HZ. PT. 0.911D-01 TOT HAZARD PT. 0.182D+00

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+04	22	0.104D+06	0
0.189D+05	0	0.114D+06	0
0.284D+05	1	0.123D+06	0
0.378D+05	0	0.132D+06	0
0.473D+05	0	0.142D+06	0
0.568D+05	0	0.151D+06	0
0.662D+05	1	0.161D+06	0
0.757D+05	0	0.170D+06	0
0.851D+05	0	0.180D+06	0
0.946D+05	0	0.189D+06	1

LARGEST SPILL (LITERS) 0.189D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.112D+05 TOT AMT SPILLED 0.281D+06

NUMBER OF SPILLS 25

MATERIAL CODE LQD FERT MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.376D+07	0	0.414D+08	0
0.753D+07	0	0.452D+08	0
0.113D+08	0	0.489D+08	0
0.151D+08	0	0.527D+08	0
0.188D+08	0	0.565D+08	0
0.226D+08	0	0.602D+08	0
0.263D+08	0	0.640D+08	0
0.301D+08	0	0.677D+08	0
0.339D+08	0	0.715D+08	0
0.376D+08	0	0.753D+08	1

LARGEST SPILL (KGRAMS) 0.752D+08 SMALLEST SPILL (KGRAMS) 0.752D+08 AVE SPILL 0.752D+08 TOT AMT SPILLED 0.752D+08

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.142D+02	0	0.156D+03	0
0.283D+02	0	0.170D+03	0
0.425D+02	0	0.184D+03	0
0.567D+02	0	0.198D+03	0
0.709D+02	0	0.212D+03	0
0.850D+02	0	0.227D+03	0
0.991D+02	0	0.241D+03	0
0.113D+03	0	0.255D+03	0
0.127D+03	0	0.269D+03	0
0.142D+03	0	0.283D+03	1

LARGEST SPILL (LITERS) 0.283D+03 SMALLEST SPILL (LITERS) 0.283D+03 AVE SPILL 0.283D+03 TOT AMT SPILLED 0.283D+03

NUMBER OF SPILLS 1

MATERIAL CODE LQ490000 MATERIAL NAME FORMIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.280D+01	3	0.308D+02	0
0.561D+01	1	0.336D+02	0
0.841D+01	1	0.364D+02	0
0.112D+02	1	0.392D+02	0
0.140D+02	0	0.420D+02	0
0.168D+02	0	0.448D+02	0
0.196D+02	1	0.476D+02	0
0.224D+02	0	0.505D+02	0
0.252D+02	0	0.533D+02	0
0.280D+02	0	0.561D+02	2

LARGEST SPILL (LITERS) 0.560D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.171D+02 TOT AMT SPILLED 0.154D+03

NUMBER OF SPILLS 9

MATERIAL CODE LQ586000 MATERIAL NAME FORMIC ACID CHLORD 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.607D-04 SMALLEST HAZARD POTEN. 0.607D-04 AVE HZ. PT. 0.607D-04 TOT. HAZARD PT. 0.607D-04

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	2

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.200D+01

NUMBER OF SPILLS 2

MATERIAL CODE LQ612500 MATERIAL NAME FORMIC ACID CALORO ETHYL ESTER 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	0	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (KGRAMS) 0.110D+02 SMALLEST SPILL (KGRAMS) 0.110D+02 AVE SPILL 0.110D+02 TOT AMT SPILLED 0.110D+02

LARGEST HAZARD POTEN. 0.396D-01 SMALLEST HAZARD POTEN. 0.396D-01 AVE HZ. PT. 0.396D-01 TOT HAZARD PT. 0.396D-01

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE LQ695000 MATERIAL NAME FORMIC ACID CHLOROTHIO ETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	0	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.110D+02 AVE SPILL 0.110D+02 TOT AMT SPILLED 0.110D+02

NUMBER OF SPILLS 1

MATERIAL CODE LT805000 MATERIAL NAME FURALDEHYDE TETRAHYDRO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE LU595000 MATERIAL NAME FURAN TETRAHYDRO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.170D+03	1	0.187D+04	0
0.340D+03	0	0.204D+04	0
0.511D+03	0	0.221D+04	0
0.681D+03	0	0.238D+04	0
0.851D+03	0	0.255D+04	0
0.102D+04	0	0.272D+04	0
0.119D+04	0	0.289D+04	0
0.136D+04	0	0.306D+04	0
0.153D+04	0	0.323D+04	0
0.170D+04	0	0.340D+04	1

LARGEST SPILL (KGRAMS) 0.340D+04 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.170D+04 TOT AMT SPILLED 0.340D+04

LARGEST HAZARD POTEN. 0.825D+00 SMALLEST HAZARD POTEN. 0.243D-03 AVE HZ. PT. 0.413D+00 TOT HAZARD PT. 0.825D+00

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.661D+04	4	0.727D+05	0
0.132D+05	0	0.793D+05	0
0.198D+05	0	0.859D+05	0
0.264D+05	0	0.925D+05	0
0.330D+05	0	0.991D+05	0
0.396D+05	0	0.106D+06	0
0.462D+05	0	0.112D+06	0
0.529D+05	0	0.119D+06	0
0.595D+05	0	0.126D+06	0
0.661D+05	0	0.132D+06	1

LARGEST SPILL (LITERS) 0.132D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.270D+05 TOT AMT SPILLED 0.135D+06

NUMBER OF SPILLS 5

MATERIAL CODE MA245000 MATERIAL NAME GLUTARALDEHYDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE MA727000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+03	0	0.208D+04	0
0.378D+03	0	0.227D+04	0
0.568D+03	0	0.246D+04	0
0.757D+03	0	0.265D+04	0
0.946D+03	0	0.284D+04	0
0.114D+04	0	0.303D+04	0
0.132D+04	0	0.322D+04	0
0.151D+04	0	0.341D+04	0
0.170D+04	0	0.359D+04	0
0.189D+04	0	0.378D+04	1

LARGEST SPILL (LITERS) 0.378D+04 SMALLEST SPILL (LITERS) 0.378D+04 AVE SPILL 0.378D+04 TOT AMT SPILLED 0.378D+04

NUMBER OF SPILLS 1

MATERIAL CODE MI770000 MATERIAL NAME HEPTANE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.132D+02	0	0.145D+03	0
0.264D+02	0	0.159D+03	0
0.396D+02	0	0.172D+03	0
0.529D+02	0	0.185D+03	0
0.661D+02	0	0.198D+03	0
0.793D+02	0	0.211D+03	0
0.925D+02	0	0.225D+03	0
0.106D+03	0	0.238D+03	0
0.119D+03	0	0.251D+03	0
0.132D+03	0	0.264D+03	1

LARGEST SPILL (LITERS) 0.264D+03 SMALLEST SPILL (LITERS) 0.264D+03 AVE SPILL 0.264D+03 TOT AMT SPILLED 0.264D+03

NUMBER OF SPILLS 1

MATERIAL CODE MJ577500 MATERIAL NAME 4 HEPTANE 2 6 DIMETHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE MK090000 MATERIAL NAME HEPTYLAMINE N-DIETHYL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.194D-02 SMALLEST HAZARD POTEN. 0.194D-02 AVE HZ. PT. 0.194D-02 TOT HAZARD PT. 0.194D-02

NUMBER OF SPILLS 1

MATERIAL CODE ML RESDU MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	0	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	0	0.143D+02	0
0.440D+01	0	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	0	0.187D+02	0
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	0	0.220D+02	1

LARGEST SPILL (KGRAMS) 0.220D+02 SMALLEST SPILL (KGRAMS) 0.220D+02 AVE SPILL 0.220D+02 TOT AMT SPILLED 0.220D+02

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE MN472500 MATERIAL NAME HEXAMETHYLENETETRAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.473D+03	0	0.521D+04	0
0.947D+03	0	0.568D+04	0
0.142D+04	0	0.616D+04	0
0.189D+04	0	0.663D+04	0
0.237D+04	0	0.710D+04	0
0.284D+04	0	0.758D+04	0
0.331D+04	0	0.805D+04	0
0.379D+04	0	0.852D+04	0
0.426D+04	0	0.900D+04	0
0.473D+04	0	0.947D+04	1

LARGEST SPILL (LITERS) 0.946D+04 SMALLEST SPILL (LITERS) 0.946D+04 AVE SPILL 0.946D+04 TOT AMT SPILLED 0.946D+04

NUMBER OF SPILLS 1

MATERIAL CODE MN927500 MATERIAL NAME HEXANE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.876D+02	1	0.963D+03	0
0.175D+03	0	0.105D+04	0
0.263D+03	0	0.114D+04	0
0.350D+03	0	0.123D+04	0
0.438D+03	1	0.131D+04	0
0.526D+03	0	0.140D+04	0
0.613D+03	0	0.149D+04	0
0.701D+03	0	0.158D+04	0
0.788D+03	0	0.166D+04	0
0.876D+03	0	0.175D+04	1

LARGEST SPILL (LITERS) 0.175D+04 SMALLEST SPILL (LITERS) 0.110D+02 AVE SPILL 0.713D+03 TOT AMT SPILLED 0.214D+04

NUMBER OF SPILLS 3

MATERIAL CODE MO118C00 MATERIAL NAME 1,6-HEXANEDIAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+04	0	0.416D+05	0
0.757D+04	0	0.454D+05	0
0.114D+05	0	0.492D+05	0
0.151D+05	0	0.530D+05	0
0.189D+05	0	0.568D+05	0
0.227D+05	0	0.605D+05	0
0.265D+05	0	0.643D+05	0
0.303D+05	0	0.681D+05	0
0.341D+05	0	0.719D+05	0
0.378D+05	0	0.757D+05	1

LARGEST SPILL (LITERS) 0.756D+05 SMALLEST SPILL (LITERS) 0.756D+05 AVE SPILL 0.756D+05 TOT AMT SPILLED 0.756D+05

NUMBER OF SPILLS 1

MATERIAL CODE MO118500 MATERIAL NAME HEXANEDIAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.470D+01	0	0.518D+02	0
0.941D+01	0	0.565D+02	0
0.141D+02	0	0.612D+02	0
0.188D+02	0	0.659D+02	0
0.235D+02	0	0.706D+02	0
0.282D+02	0	0.753D+02	0
0.329D+02	0	0.800D+02	0
0.376D+02	0	0.847D+02	0
0.423D+02	0	0.894D+02	0
0.470D+02	0	0.941D+02	1

LARGEST SPILL (LITERS) 0.940D+02 SMALLEST SPILL (LITERS) 0.940D+02 AVE SPILL 0.940D+02 TOT AMT SPILLED 0.940D+02

NUMBER OF SPILLS 1

MATERIAL CODE MO262500 MATERIAL NAME 1,3 HEXANEDIOL 2-ETHYL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.450D+00	0	0.495D+01	0
0.901D+00	0	0.541D+01	0
0.135D+01	0	0.586D+01	0
0.180D+01	0	0.631D+01	0
0.225D+01	0	0.676D+01	0
0.270D+01	0	0.721D+01	0
0.315D+01	0	0.766D+01	0
0.360D+01	0	0.811D+01	0
0.405D+01	0	0.856D+01	0
0.450D+01	0	0.901D+01	1

LARGEST SPILL (KGRAMS) 0.900D+01 SMALLEST SPILL (KGRAMS) 0.900D+01 AVE SPILL 0.900D+01 TOT AMT SPILLED 0.900D+01

LARGEST HAZARD POTEN. 0.624D-02 SMALLEST HAZARD POTEN. 0.624D-02 AVE HZ. PT. 0.624D-02 TOT HAZARD PT. 0.624D-02

NUMBER OF SPILLS 1

MATERIAL CODE MO787500 MATERIAL NAME HEXANOIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+01	0	0.622D+02	0
0.113D+02	0	0.679D+02	0
0.170D+02	0	0.735D+02	0
0.226D+02	0	0.792D+02	0
0.283D+02	0	0.848D+02	0
0.339D+02	0	0.905D+02	0
0.396D+02	0	0.961D+02	0
0.452D+02	0	0.102D+03	0
0.509D+02	0	0.107D+03	0
0.566D+02	0	0.113D+03	1

LARGEST SPILL (LITERS) 0.113D+03 SMALLEST SPILL (LITERS) 0.113D+03 AVE SPILL 0.113D+03 TOT AMT SPILLED 0.113D+03

NUMBER OF SPILLS 1

MATERIAL CODE MP035000 MATERIAL NAME 1-HEXANOL 2-ETHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.280D+01	0	0.308D+02	0
0.561D+01	0	0.336D+02	0
0.841D+01	0	0.364D+02	0
0.112D+02	0	0.392D+02	0
0.140D+02	0	0.420D+02	0
0.168D+02	0	0.448D+02	0
0.196D+02	0	0.476D+02	0
0.224D+02	0	0.505D+02	0
0.252D+02	0	0.533D+02	0
0.280D+02	0	0.561D+02	1

LARGEST SPILL (LITERS) 0.560D+02 SMALLEST SPILL (LITERS) 0.560D+02 AVE SPILL 0.560D+02 TOT AMT SPILLED 0.560D+02

NUMBER OF SPILLS 1

MATERIAL CODE MP140000 MATERIAL NAME HEXANONE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE MP395000 MATERIAL NAME 2-HEXANONE,5-METHYL- 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.397D+03	0	0.437D+04	0
0.794D+03	0	0.476D+04	0
0.119D+04	0	0.516D+04	0
0.159D+04	0	0.556D+04	0
0.198D+04	0	0.595D+04	0
0.238D+04	0	0.635D+04	0
0.278D+04	0	0.675D+04	0
0.318D+04	0	0.714D+04	0
0.357D+04	0	0.754D+04	0
0.397D+04	0	0.794D+04	1

LARGEST SPILL (KGRAMS) 0.793D+04 SMALLEST SPILL (KGRAMS) 0.793D+04 AVE SPILL 0.793D+04 TOT AMT SPILLED 0.793D+04

LARGEST HAZARD POTEN. 0.162D+01 SMALLEST HAZARD POTEN. 0.162D+01 AVE HZ. PT. 0.162D+01 TOT HAZARD PT. 0.162D+01

NUMBER OF SPILLS 1

MATERIAL CODE MU717500 MATERIAL NAME HYDRAZINE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	2

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.162D-03 SMALLEST HAZARD POTEN. 0.162D-03 AVE HZ. PT. 0.162D-03 TOT HAZARD PT. 0.324D-03

NUMBER OF SPILLS 2

MATERIAL CODE MU717900 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.661D+01	1	0.727D+02	0
0.132D+02	0	0.793D+02	0
0.198D+02	0	0.859D+02	0
0.264D+02	0	0.925D+02	0
0.330D+02	0	0.991D+02	0
0.396D+02	0	0.106D+03	0
0.462D+02	0	0.112D+03	0
0.529D+02	0	0.119D+03	0
0.595D+02	0	0.126D+03	0
0.661D+02	0	0.132D+03	1

LARGEST SPILL (LITERS) 0.132D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.665D+02 TOT AMT SPILLED 0.133D+03

NUMBER OF SPILLS 2

MATERIAL CODE MU718000 MATERIAL NAME HYDRAZINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	1	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	1	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	1	0.352D+02	0
0.185D+02	1	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.160D+02 TOT AMT SPILLED 0.800D+02

NUMBER OF SPILLS 5

MATERIAL CODE MW385000 MATERIAL NAME HYDROBROMIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.250D+00	0	0.275D+01	0
0.500D+00	0	0.300D+01	0
0.751D+00	0	0.325D+01	0
0.100D+01	1	0.350D+01	0
0.125D+01	0	0.375D+01	0
0.150D+01	0	0.400D+01	0
0.175D+01	0	0.425D+01	0
0.200D+01	0	0.450D+01	0
0.225D+01	0	0.475D+01	0
0.250D+01	0	0.500D+01	1

LARGEST SPILL (KGRAMS) 0.500D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.600D+01

LARGEST HAZARD POTEN. 0.216D-02 SMALLEST HAZARD POTEN. 0.431D-03 AVE HZ. PT. 0.130D-02 TOT HAZARD PT. 0.259D-02

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	2	0.115D+03	0
0.208D+02	1	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.573D+02 TOT AMT SPILLED 0.229D+03

NUMBER OF SPILLS 4

MATERIAL CODE MW386000 MATERIAL NAME HYDROCARBON GAS 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE MW402500 MATERIAL NAME HYDROCHLORIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.431D+04	40	0.474D+05	0
0.862D+04	0	0.517D+05	0
0.129D+05	0	0.560D+05	0
0.172D+05	0	0.603D+05	0
0.215D+05	0	0.646D+05	0
0.259D+05	0	0.689D+05	0
0.302D+05	0	0.733D+05	0
0.345D+05	0	0.776D+05	0
0.388D+05	0	0.819D+05	0
0.431D+05	0	0.862D+05	1

LARGEST SPILL (KGRAMS) 0.861D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.213D+04 TOT AMT SPILLED 0.872D+05

LARGEST HAZARD POTEN. 0.836D+02 SMALLEST HAZARD POTEN. 0.971D-03 AVE HZ. PT. 0.207D+01 TOT HAZARD PT. 0.847D+02

NUMBER OF SPILLS 41

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+06	316	0.622D+07	0
0.113D+07	0	0.679D+07	0
0.170D+07	0	0.735D+07	0
0.226D+07	0	0.792D+07	0
0.283D+07	0	0.848D+07	0
0.339D+07	0	0.905D+07	0
0.396D+07	0	0.961D+07	0
0.452D+07	0	0.102D+08	0
0.509D+07	0	0.107D+08	0
0.566D+07	0	0.113D+08	1

LARGEST SPILL (LITERS) 0.113D+08 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.371D+05 TOT AMT SPILLED 0.118D+08

NUMBER OF SPILLS 317

MATERIAL CODE MW560000 MATERIAL NAME HYDROCINNAMIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.108D+03	0	0.118D+04	0
0.215D+03	0	0.129D+04	0
0.323D+03	0	0.140D+04	0
0.430D+03	0	0.151D+04	0
0.538D+03	0	0.161D+04	0
0.646D+03	0	0.172D+04	0
0.753D+03	0	0.183D+04	0
0.861D+03	0	0.194D+04	0
0.968D+03	0	0.204D+04	0
0.108D+04	0	0.215D+04	1

LARGEST SPILL (LITERS) 0.215D+04 SMALLEST SPILL (LITERS) 0.215D+04 AVE SPILL 0.215D+04 TOT AMT SPILLED 0.215D+04

NUMBER OF SPILLS 1

MATERIAL CODE MW682500 MATERIAL NAME HYDROCYANIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE MN797500 MATERIAL NAME HYDROFLUORIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.454D+02	1	0.499D+03	0
0.908D+02	0	0.545D+03	0
0.136D+03	0	0.590D+03	0
0.182D+03	0	0.636D+03	0
0.227D+03	0	0.681D+03	0
0.272D+03	0	0.725D+03	0
0.318D+03	0	0.772D+03	0
0.363D+03	0	0.817D+03	0
0.409D+03	0	0.863D+03	0
0.454D+03	0	0.908D+03	1

LARGEST SPILL (KGRAMS) 0.907D+03 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.454D+03 TOT AMT SPILLED 0.908D+03

LARGEST HAZARD POTEN. 0.147D+00 SMALLEST HAZARD POTEN. 0.162D-03 AVE HZ. PT. 0.736D-01 TOT HAZARD PT. 0.147D+00

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+02	14	0.104D+04	0
0.189D+03	3	0.114D+04	0
0.284D+03	1	0.123D+04	0
0.378D+03	0	0.132D+04	0
0.473D+03	0	0.142D+04	0
0.568D+03	0	0.151D+04	0
0.662D+03	0	0.161D+04	0
0.757D+03	0	0.170D+04	0
0.851D+03	0	0.180D+04	0
0.946D+03	0	0.189D+04	2

LARGEST SPILL (LITERS) 0.189D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.239D+03 TOT AMT SPILLED 0.477D+04

NUMBER OF SPILLS 20

MATERIAL CODE MW789000 MATERIAL NAME HYDROFLUORIC ACID SOLUTION 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE MW890000 MATERIAL NAME HYDROGEN 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.450D+01	0	0.495D+02	0
0.901D+01	0	0.541D+02	0
0.135D+02	0	0.586D+02	0
0.180D+02	0	0.631D+02	0
0.225D+02	0	0.676D+02	0
0.270D+02	0	0.721D+02	0
0.315D+02	0	0.766D+02	0
0.360D+02	0	0.811D+02	0
0.405D+02	0	0.856D+02	0
0.450D+02	0	0.901D+02	1

LARGEST SPILL (KGRAMS) 0.900D+02 SMALLEST SPILL (KGRAMS) 0.900D+02 AVE SPILL 0.900D+02 TOT AMT SPILLED 0.900D+02

LARGEST HAZARD POTEN. 0.350D-02 SMALLEST HAZARD POTEN. 0.350D-02 AVE HZ. PT. 0.350D-02 TOT HAZARD PT. 0.350D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.212D+05	0	0.233D+06	0
0.423D+05	0	0.254D+06	0
0.635D+05	0	0.275D+06	0
0.847D+05	0	0.296D+06	0
0.106D+06	1	0.318D+06	0
0.127D+06	0	0.339D+06	0
0.148D+06	0	0.360D+06	0
0.169D+06	0	0.381D+06	0
0.191D+06	0	0.402D+06	0
0.212D+06	0	0.423D+06	1

LARGEST SPILL (LITERS) 0.423D+06 SMALLEST SPILL (LITERS) 0.988D+05 AVE SPILL 0.261D+06 TOT AMT SPILLED 0.522D+06

NUMBER OF SPILLS 2

MATERIAL CODE MW961000 MATERIAL NAME HYDROGEN CHLORIDE 07-20-92

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+02	3	0.622D+03	0
0.113D+03	0	0.679D+03	0
0.170D+03	0	0.735D+03	0
0.226D+03	0	0.792D+03	0
0.283D+03	1	0.848D+03	0
0.339D+03	0	0.905D+03	0
0.396D+03	0	0.961D+03	0
0.452D+03	0	0.102D+04	0
0.509D+03	0	0.107D+04	0
0.566D+03	0	0.113D+04	1

LARGEST SPILL (KGRAMS) 0.113D+04 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.287D+03 TOT AMT SPILLED 0.143D+04

LARGEST HAZARD POTEN. 0.146D+01 SMALLEST HAZARD POTEN. 0.129D-02 AVE HZ. PT. 0.371D+00 TOT HAZARD PT. 0.185D+01

NUMBER OF SPILLS 5

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	3	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	1	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	1	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+02 TOT AMT SPILLED 0.600D+02

NUMBER OF SPILLS 6

MATERIAL CODE MX090000 MATERIAL NAME HYDROGEN PEROXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.771D+03	6	0.848D+04	0
0.154D+04	1	0.925D+04	0
0.231D+04	0	0.100D+05	0
0.308D+04	0	0.108D+05	0
0.385D+04	0	0.116D+05	0
0.462D+04	0	0.123D+05	0
0.540D+04	0	0.131D+05	0
0.617D+04	0	0.139D+05	0
0.694D+04	0	0.146D+05	0
0.771D+04	0	0.154D+05	1

LARGEST SPILL (KGRAMS) 0.154D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.205D+04 TOT AMT SPILLED 0.164D+05

LARGEST HAZARD POTEN. 0.332D+02 SMALLEST HAZARD POTEN. 0.216D-02 AVE HZ. PT. 0.442D+01 TOT HAZARD PT. 0.353D+02

NUMBER OF SPILLS 8

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+03	21	0.831D+04	0
0.151D+04	0	0.907D+04	0
0.227D+04	0	0.982D+04	0
0.302D+04	0	0.106D+05	0
0.378D+04	0	0.113D+05	0
0.453D+04	0	0.121D+05	0
0.529D+04	0	0.128D+05	0
0.605D+04	0	0.136D+05	0
0.680D+04	0	0.144D+05	0
0.756D+04	0	0.151D+05	2

LARGEST SPILL (LITERS) 0.151D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.134D+04 TOT AMT SPILLED 0.308D+05

NUMBER OF SPILLS 23

MATERIAL CODE MX122500 MATERIAL NAME HYDROGEN SULFIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.113D+04	2	0.124D+05	0
0.226D+04	0	0.136D+05	0
0.339D+04	0	0.147D+05	0
0.452D+04	0	0.158D+05	0
0.565D+04	0	0.170D+05	0
0.679D+04	0	0.181D+05	0
0.792D+04	0	0.192D+05	0
0.905D+04	0	0.204D+05	0
0.102D+05	0	0.215D+05	0
0.113D+05	0	0.226D+05	1

LARGEST SPILL (KGRAMS) 0.226D+05 SMALLEST SPILL (KGRAMS) 0.270D+02 AVE SPILL 0.757D+04 TOT AMT SPILLED 0.227D+05

LARGEST HAZARD POTEN. 0.488D+02 SMALLEST HAZARD POTEN. 0.583D-01 AVE HZ. PT. 0.163D+02 TOT HAZARD PT. 0.490D+02

NUMBER OF SPILLS 3

MATERIAL CODE MX245000 MATERIAL NAME HYDROPEROXIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	1	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	2	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.625D+01 TOT AMT SPILLED 0.250D+02

NUMBER OF SPILLS 4

MATERIAL CODE NAPTHA MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.526D+03	0	0.578D+04	0
0.105D+04	0	0.631D+04	0
0.158D+04	0	0.683D+04	0
0.210D+04	0	0.736D+04	0
0.263D+04	0	0.788D+04	0
0.315D+04	0	0.841D+04	0
0.368D+04	0	0.893D+04	0
0.420D+04	0	0.946D+04	0
0.473D+04	0	0.998D+04	0
0.526D+04	0	0.105D+05	1

LARGEST SPILL (LITERS) 0.105D+05 SMALLEST SPILL (LITERS) 0.105D+05 AVE SPILL 0.105D+05 TOT AMT SPILLED 0.105D+05

NUMBER OF SPILLS 1

MATERIAL CODE NH348500 MATERIAL NAME HYPOCHLOROUS ACID CALCIUM SALT 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.951D+02	7	0.105D+04	0
0.190D+03	0	0.114D+04	0
0.285D+03	0	0.124D+04	0
0.380D+03	1	0.133D+04	0
0.475D+03	0	0.143D+04	1
0.571D+03	0	0.152D+04	0
0.666D+03	0	0.162D+04	0
0.761D+03	0	0.171D+04	0
0.856D+03	0	0.181D+04	0
0.951D+03	0	0.190D+04	1

LARGEST SPILL (KGRAMS) 0.190D+04 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.365D+03 TOT AMT SPILLED 0.365D+04

LARGEST HAZARD POTEN. 0.132D+00 SMALLEST HAZARD POTEN. 0.693D-04 AVE HZ. PT. 0.254D-01 TOT HAZARD PT. 0.254D+00

NUMBER OF SPILLS 10

MATERIAL CODE NH348550 MATERIAL NAME HYDROCHLOROUS ACID CALCIUM SALT 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.600D+00	0	0.260D+01	0
0.800D+00	0	0.280D+01	0
0.100D+01	0	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	3

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.120D+02

LARGEST HAZARD POTEN. 0.194D-02 SMALLEST HAZARD POTEN. 0.194D-02 AVE HZ. PT. 0.194D-02 TOT HAZARD PT. 0.582D-02

NUMBER OF SPILLS 3

MATERIAL CODE NIKLAD MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.751D+00	0	0.826D+01	0
0.150D+01	0	0.901D+01	0
0.225D+01	0	0.976D+01	0
0.300D+01	0	0.105D+02	0
0.375D+01	0	0.113D+02	0
0.450D+01	0	0.120D+02	0
0.526D+01	0	0.128D+02	0
0.601D+01	0	0.135D+02	0
0.676D+01	0	0.143D+02	0
0.751D+01	0	0.150D+02	1

LARGEST SPILL (LITERS) 0.150D+02 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.150D+02 TOT AMT SPILLED 0.150D+02

NUMBER OF SPILLS 1

MATERIAL CODE NJ280000 MATERIAL NAME IMIDAZOLINE 1-ETHANOL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.100D+00	0	0.110D+01	0
0.200D+00	0	0.120D+01	0
0.300D+00	0	0.130D+01	0
0.400D+00	0	0.140D+01	0
0.500D+00	0	0.150D+01	0
0.601D+00	0	0.160D+01	0
0.701D+00	0	0.170D+01	0
0.801D+00	0	0.180D+01	0
0.301D+00	0	0.190D+01	0
0.100D+01	0	0.200D+01	1

LARGEST SPILL (KGRAMS) 0.200D+01 SMALLEST SPILL (KGRAMS) 0.200D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.620D-03 SMALLEST HAZARD POTEN. 0.620D-03 AVE HZ. PT. 0.620D-03 TOT HAZARD PT. 0.620D-03

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE NN157500 MATERIAL NAME IODINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.250D+00	0	0.275D+01	0
0.500D+00	0	0.300D+01	0
0.751D+00	0	0.325D+01	0
0.100D+01	0	0.350D+01	0
0.125D+01	0	0.375D+01	0
0.150D+01	0	0.400D+01	0
0.175D+01	0	0.425D+01	0
0.200D+01	0	0.450D+01	0
0.225D+01	0	0.475D+01	0
0.250D+01	0	0.500D+01	1

LARGEST SPILL (LITERS) 0.500D+01 SMALLEST SPILL (LITERS) 0.500D+01 AVE SPILL 0.500D+01 TOT AMT SPILLED 0.500D+01

NUMBER OF SPILLS 1

MATERIAL CODE NN165000 MATERIAL NAME IODINE CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.250D+00	0	0.275D+01	0
0.500D+00	0	0.300D+01	0
0.751D+00	0	0.325D+01	0
0.100D+01	0	0.350D+01	0
0.125D+01	0	0.375D+01	0
0.150D+01	0	0.400D+01	0
0.175D+01	0	0.425D+01	0
0.200D+01	0	0.450D+01	0
0.225D+01	0	0.475D+01	0
0.250D+01	0	0.500D+01	1

LARGEST SPILL (KGRAMS) 0.500D+01 SMALLEST SPILL (KGRAMS) 0.500D+01 AVE SPILL 0.500D+01 TOT AMT SPILLED 0.500D+01

LARGEST HAZARD POTEN. 0.607D-01 SMALLEST HAZARD POTEN. 0.607D-01 AVE HZ. PT. 0.607D-01 TOT HAZARD PT. 0.607D-01

NUMBER OF SPILLS 1

MATERIAL CODE NOXTANE MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE NOS25000 MATERIAL NAME IRON CHLORIDES 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE NO540000 MATERIAL NAME IRON II CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+02	0	0.416D+03	0
0.757D+02	0	0.454D+03	0
0.114D+03	0	0.492D+03	0
0.151D+03	0	0.530D+03	0
0.189D+03	0	0.568D+03	0
0.227D+03	0	0.605D+03	0
0.265D+03	0	0.643D+03	0
0.303D+03	0	0.681D+03	0
0.341D+03	0	0.719D+03	0
0.378D+03	0	0.757D+03	1

LARGEST SPILL (LITERS) 0.756D+03 SMALLEST SPILL (LITERS) 0.756D+03 AVE SPILL 0.756D+03 TOT AMT SPILLED 0.756D+03

NUMBER OF SPILLS 1

MATERIAL CODE NO717500 MATERIAL NAME IRON III NITRATE NONAHYDRATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	1	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.108D+03 TOT AMT SPILLED 0.215D+03

NUMBER OF SPILLS 2

MATERIAL CODE NQ825000 MATERIAL NAME ISOCYANIC ACID BUTYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+04	1	0.208D+05	0
0.378D+04	0	0.227D+05	0
0.568D+04	0	0.246D+05	0
0.757D+04	0	0.265D+05	0
0.946D+04	0	0.284D+05	0
0.114D+05	0	0.303D+05	0
0.132D+05	0	0.322D+05	0
0.151D+05	0	0.341D+05	0
0.170D+05	0	0.359D+05	0
0.189D+05	0	0.378D+05	1

LARGEST SPILL (LITERS) 0.378D+05 SMALLEST SPILL (LITERS) 0.132D+03 AVE SPILL 0.190D+05 TOT AMT SPILLED 0.379D+05

NUMBER OF SPILLS 2

MATERIAL CODE NQ945000 MATERIAL NAME ISOCYANIC ACID,METHYL ESTER 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.279D+04	0	0.307D+05	0
0.558D+04	0	0.335D+05	0
0.836D+04	0	0.362D+05	0
0.112D+05	0	0.390D+05	0
0.139D+05	0	0.418D+05	0
0.167D+05	0	0.446D+05	0
0.195D+05	0	0.474D+05	0
0.223D+05	0	0.502D+05	0
0.251D+05	0	0.530D+05	0
0.279D+05	0	0.558D+05	1

LARGEST SPILL (KGRAMS) 0.557D+05 SMALLEST SPILL (KGRAMS) 0.557D+05 AVE SPILL 0.557D+05 TOT AMT SPILLED 0.557D+05

LARGEST HAZARD POTEN. 0.762D+03 SMALLEST HAZARD POTEN. 0.762D+03 AVE HZ. PT. 0.762D+03 TOT HAZARD PT. 0.762D+03

NUMBER OF SPILLS 1

MATERIAL CODE NT805000 MATERIAL NAME ISOPROPYL ALCOHOL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.222D+03	0	0.244D+04	0
0.444D+03	1	0.267D+04	0
0.667D+03	0	0.289D+04	0
0.889D+03	0	0.311D+04	0
0.111D+04	0	0.333D+04	0
0.133D+04	0	0.356D+04	0
0.156D+04	0	0.378D+04	0
0.178D+04	0	0.400D+04	0
0.200D+04	0	0.422D+04	0
0.222D+04	0	0.444D+04	1

LARGEST SPILL (KGRAMS) 0.444D+04 SMALLEST SPILL (KGRAMS) 0.371D+03 AVE SPILL 0.241D+04 TOT AMT SPILLED 0.481D+04

LARGEST HAZARD POTEN. 0.738D+00 SMALLEST HAZARD POTEN. 0.617D-01 AVE HZ. PT. 0.400D+00 TOT HAZARD PT. 0.800D+00

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.981D+03	20	0.108D+05	0
0.196D+04	1	0.118D+05	0
0.294D+04	0	0.128D+05	0
0.392D+04	1	0.137D+05	0
0.490D+04	0	0.147D+05	0
0.589D+04	0	0.157D+05	0
0.687D+04	0	0.167D+05	0
0.785D+04	0	0.177D+05	0
0.883D+04	0	0.186D+05	0
0.981D+04	0	0.196D+05	1

LARGEST SPILL (LITERS) 0.196D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.112D+04 TOT AMT SPILLED 0.258D+05

NUMBER OF SPILLS 23

MATERIAL CODE NT840000 MATERIAL NAME ISOPROPYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.114D+02	1	0.125D+03	0
0.227D+02	0	0.136D+03	0
0.341D+02	0	0.148D+03	0
0.454D+02	0	0.159D+03	0
0.568D+02	0	0.170D+03	0
0.682D+02	0	0.182D+03	0
0.795D+02	0	0.193D+03	0
0.909D+02	0	0.205D+03	0
0.102D+03	0	0.216D+03	0
0.114D+03	0	0.227D+03	1

LARGEST SPILL (LITERS) 0.227D+03 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.117D+03 TOT AMT SPILLED 0.234D+03

NUMBER OF SPILLS 2

MATERIAL CODE NX822500 MATERIAL NAME ISOTHIOCYANIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE NY140000 MATERIAL NAME ISOVALERIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	1	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.390D+02 TOT AMT SPILLED 0.780D+02

NUMBER OF SPILLS 2

MATERIAL CODE OA550000 MATERIAL NAME KEROSENE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.142D+04	3	0.156D+05	0
0.283D+04	2	0.170D+05	0
0.425D+04	0	0.184D+05	0
0.567D+04	0	0.198D+05	0
0.708D+04	0	0.212D+05	0
0.850D+04	0	0.227D+05	0
0.991D+04	0	0.241D+05	0
0.113D+05	0	0.255D+05	0
0.127D+05	0	0.269D+05	0
0.142D+05	0	0.283D+05	1

LARGEST SPILL (LITERS) 0.283D+05 SMALLEST SPILL (LITERS) 0.340D+02 AVE SPILL 0.532D+04 TOT AMT SPILLED 0.319D+05

NUMBER OF SPILLS 6

MATERIAL CODE 0A770000 MATERIAL NAME KETONE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+01	0	0.831D+02	0
0.151D+02	0	0.907D+02	0
0.227D+02	0	0.982D+02	0
0.302D+02	0	0.106D+03	0
0.378D+02	0	0.113D+03	0
0.453D+02	0	0.121D+03	0
0.529D+02	0	0.128D+03	0
0.605D+02	0	0.136D+03	0
0.680D+02	0	0.144D+03	0
0.756D+02	0	0.151D+03	1

LARGEST SPILL (LITERS) 0.151D+03 SMALLEST SPILL (LITERS) 0.151D+03 AVE SPILL 0.151D+03 TOT AMT SPILLED 0.151D+03

NUMBER OF SPILLS 1

MATERIAL CODE 0B107000 MATERIAL NAME KETONE,4-ACETOXY-3,5-DIMETHOXYSTYRYL 2-I 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	0	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.208D+03 AVE SPILL 0.208D+03 TOT AMT SPILLED 0.208D+03

NUMBER OF SPILLS 1

MATERIAL CODE 0D280000 MATERIAL NAME LACTIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+02	1	0.416D+03	0
0.757D+02	0	0.454D+03	0
0.114D+03	0	0.492D+03	0
0.151D+03	0	0.530D+03	0
0.189D+03	0	0.568D+03	0
0.227D+03	0	0.605D+03	0
0.265D+03	0	0.643D+03	0
0.303D+03	0	0.681D+03	0
0.341D+03	0	0.719D+03	0
0.378D+03	0	0.757D+03	1

LARGEST SPILL (LITERS) 0.756D+03 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.387D+03 TOT AMT SPILLED 0.774D+03

NUMBER OF SPILLS 2

MATERIAL CODE OF262500 MATERIAL NAME LAUROYL PEROXIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE OG070000 MATERIAL NAME LEAD DIOXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.601D+00	0	0.260D+01	0
0.801D+00	0	0.280D+01	0
0.100D+01	0	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.400D+01

LARGEST HAZARD POTEN. 0.194D-01 SMALLEST HAZARD POTEN. 0.194D-01 AVE HZ. PT. 0.194D-01 TOT HAZARD PT. 0.194D-01

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE OIL MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+03	1	0.208D+04	0
0.378D+03	0	0.227D+04	0
0.568D+03	0	0.246D+04	0
0.757D+03	0	0.265D+04	0
0.946D+03	0	0.284D+04	0
0.114D+04	0	0.303D+04	0
0.132D+04	0	0.322D+04	0
0.151D+04	0	0.341D+04	0
0.170D+04	0	0.359D+04	0
0.189D+04	0	0.378D+04	1

LARGEST SPILL (LITERS) 0.378D+04 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.198D+04 TOT AMT SPILLED 0.397D+04

NUMBER OF SPILLS 2

MATERIAL CODE OJ220000 MATERIAL NAME LIQUIFIED PETROLEUM GAS 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.170D+04	0	0.187D+05	0
0.340D+04	0	0.204D+05	0
0.511D+04	0	0.221D+05	0
0.681D+04	0	0.238D+05	0
0.851D+04	0	0.255D+05	0
0.102D+05	0	0.272D+05	0
0.119D+05	0	0.289D+05	0
0.136D+05	0	0.306D+05	0
0.153D+05	0	0.323D+05	0
0.170D+05	0	0.340D+05	1

LARGEST SPILL (LITERS) 0.340D+05 SMALLEST SPILL (LITERS) 0.340D+05 AVE SPILL 0.340D+05 TOT AMT SPILLED 0.340D+05

NUMBER OF SPILLS 1

MATERIAL CODE ON367500 MATERIAL NAME MALEIC ANHYDRIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+02	0	0.208D+03	0
0.378D+02	0	0.227D+03	0
0.568D+02	0	0.246D+03	0
0.757D+02	0	0.265D+03	0
0.946D+02	0	0.284D+03	0
0.114D+03	0	0.303D+03	0
0.132D+03	0	0.322D+03	0
0.151D+03	0	0.341D+03	0
0.170D+03	0	0.359D+03	0
0.189D+03	0	0.378D+03	1

LARGEST SPILL (LITERS) 0.378D+03 SMALLEST SPILL (LITERS) 0.378D+03 AVE SPILL 0.378D+03 TOT AMT SPILLED 0.378D+03

NUMBER OF SPILLS 1

MATERIAL CODE ORTHPLON MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.363D+04	0	0.399D+05	0
0.726D+04	0	0.435D+05	0
0.100D+05	0	0.472D+05	0
0.145D+05	0	0.508D+05	0
0.181D+05	0	0.544D+05	0
0.218D+05	0	0.581D+05	0
0.254D+05	0	0.617D+05	0
0.290D+05	0	0.653D+05	0
0.327D+05	0	0.689D+05	0
0.363D+05	0	0.726D+05	1

LARGEST SPILL (KGRAMS) 0.725D+05 SMALLEST SPILL (KGRAMS) 0.725D+05 AVE SPILL 0.725D+05 TOT AMT SPILLED 0.725D+05

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE 0S070000 MATERIAL NAME MELAMINE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.159D+03	0	0.175D+04	0
0.317D+03	0	0.190D+04	0
0.476D+03	0	0.206D+04	0
0.635D+03	0	0.222D+04	0
0.793D+03	0	0.238D+04	0
0.952D+03	0	0.254D+04	0
0.111D+04	0	0.270D+04	0
0.127D+04	0	0.286D+04	0
0.143D+04	0	0.301D+04	0
0.159D+04	0	0.317D+04	1

LARGEST SPILL (KGRAMS) 0.317D+04 SMALLEST SPILL (KGRAMS) 0.317D+04 AVE SPILL 0.317D+04 TOT AMT SPILLED 0.317D+04

LARGEST HAZARD POTEN. 0.616D+00 SMALLEST HAZARD POTEN. 0.616D+00 AVE HZ. PT. 0.616D+00 TOT HAZARD PT. 0.616D+00

NUMBER OF SPILLS 1

MATERIAL CODE 0T035000 MATERIAL NAME MENTHOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE OV455000 MATERIAL NAME MERCURY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE OV647500 MATERIAL NAME MERCURY (ACETATO) PHENYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.280D+01	1	0.308D+02	0
0.561D+01	0	0.336D+02	0
0.841D+01	0	0.364D+02	0
0.112D+02	0	0.392D+02	0
0.140D+02	0	0.420D+02	0
0.168D+02	0	0.448D+02	0
0.196D+02	0	0.476D+02	0
0.224D+02	0	0.505D+02	0
0.252D+02	0	0.533D+02	0
0.280D+02	0	0.561D+02	1

LARGEST SPILL (LITERS) 0.560D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.285D+02 TOT AMT SPILLED 0.570D+02

NUMBER OF SPILLS 2

MATERIAL CODE OW530000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE OW700000 MATERIAL NAME MERCURY METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.189D+03

NUMBER OF SPILLS 1

MATERIAL CODE 0W322500 MATERIAL NAME MERCURY II NITRATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE 0W860000 MATERIAL NAME MERCURY OLEATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.751D+00	0	0.826D+01	0
0.150D+01	0	0.901D+01	0
0.225D+01	0	0.976D+01	0
0.300D+01	0	0.105D+02	0
0.375D+01	0	0.113D+02	0
0.450D+01	0	0.120D+02	0
0.526D+01	0	0.128D+02	0
0.601D+01	0	0.135D+02	0
0.676D+01	0	0.143D+02	0
0.751D+01	0	0.150D+02	1

LARGEST SPILL (LITERS) 0.150D+02 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.150D+02 TOT AMT SPILLED 0.150D+02

NUMBER OF SPILLS 1

MATERIAL CODE OW875000 MATERIAL NAME MERCURY OXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	0	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	0	0.143D+02	0
0.440D+01	0	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	0	0.187D+02	0
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	0	0.220D+02	1

LARGEST SPILL (KGRAMS) 0.220D+02 SMALLEST SPILL (KGRAMS) 0.220D+02 AVE SPILL 0.220D+02 TOT AMT SPILLED 0.220D+02

LARGEST HAZARD POTEN. 0.119D+01 SMALLEST HAZARD POTEN. 0.119D+01 AVE HZ. PT. 0.119D+01 TOT HAZARD PT. 0.119D+01

NUMBER OF SPILLS 1

MATERIAL CODE OZ297500 MATERIAL NAME METHACRYLIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.661D+01	2	0.727D+02	0
0.132D+02	0	0.793D+02	0
0.198D+02	1	0.859D+02	0
0.264D+02	0	0.925D+02	0
0.330D+02	0	0.991D+02	0
0.396D+02	0	0.106D+03	0
0.462D+02	0	0.112D+03	0
0.529D+02	0	0.119D+03	0
0.595D+02	0	0.126D+03	0
0.661D+02	0	0.132D+03	1

LARGEST SPILL (LITERS) 0.132D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.385D+02 TOT AMT SPILLED 0.154D+03

NUMBER OF SPILLS 4

MATERIAL CODE 0Z367500 MATERIAL NAME METHACRYLIC ACID BUTYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE 0Z437500 MATERIAL NAME METHACRYLIC ACID EPOXY PROPLY ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	1	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.106D+03 TOT AMT SPILLED 0.211D+03

NUMBER OF SPILLS 2

MATERIAL CODE 0Z507500 MATERIAL NAME METHACRYLIC ACID METHYL ESTER 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.906D+03	0	0.996D+04	0
0.181D+04	1	0.109D+05	0
0.272D+04	0	0.118D+05	0
0.362D+04	0	0.127D+05	0
0.453D+04	0	0.136D+05	0
0.544D+04	0	0.145D+05	0
0.634D+04	0	0.154D+05	0
0.725D+04	0	0.163D+05	0
0.815D+04	0	0.172D+05	0
0.906D+04	0	0.181D+05	1

LARGEST SPILL (KGRAMS) 0.181D+05 SMALLEST SPILL (KGRAMS) 0.122D+04 AVE SPILL 0.966D+04 TOT AMT SPILLED 0.193D+05

LARGEST HAZARD POTEN. 0.176D+01 SMALLEST HAZARD POTEN. 0.118D+00 AVE HZ. PT. 0.939D+00 TOT HAZARD PT. 0.188D+01

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.64[illegible]D+02	6	0.705D+03	0
0.128D+03	0	0.769D+03	0
0.192D+03	0	0.833D+03	1
0.256D+03	0	0.897D+03	0
0.320D+03	0	0.961D+03	0
0.384D+03	0	0.103D+04	0
0.448D+03	0	0.109D+04	0
0.513D+03	0	0.115D+04	0
0.577D+03	0	0.122D+04	0
0.641D+03	0	0.128D+04	1

LARGEST SPILL (LITERS) 0.128D+04 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.266D+03 TOT AMT SPILLED 0.213D+04

NUMBER OF SPILLS 8

MATERIAL CODE PA490000 MATERIAL NAME METHANE BROMO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.180D+01	1	0.198D+02	0
0.360D+01	0	0.216D+02	0
0.541D+01	0	0.234D+02	0
0.721D+01	0	0.252D+02	0
0.901D+01	0	0.270D+02	0
0.108D+02	0	0.288D+02	0
0.126D+02	0	0.306D+02	0
0.144D+02	0	0.324D+02	0
0.162D+02	0	0.342D+02	0
0.180D+02	0	0.360D+02	1

LARGEST SPILL (KGRAMS) 0.360D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.185D+02 TOT AMT SPILLED 0.370D+02

LARGEST HAZARD POTEN. 0.699D-02 SMALLEST HAZARD POTEN. 0.194D-03 AVE HZ. PT. 0.359D-02 TOT HAZARD PT. 0.718D-02

NUMBER OF SPILLS 2

MATERIAL CODE PA630000 MATERIAL NAME METHANE CHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.521D+02	2	0.573D+03	0
0.104D+03	0	0.625D+03	0
0.156D+03	0	0.677D+03	1
0.208D+03	0	0.729D+03	0
0.260D+03	0	0.781D+03	0
0.312D+03	0	0.833D+03	0
0.364D+03	0	0.885D+03	0
0.416D+03	0	0.937D+03	0
0.468D+03	0	0.989D+03	0
0.521D+03	0	0.104D+04	1

LARGEST SPILL (LITERS) 0.104D+04 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.431D+03 TOT AMT SPILLED 0.172D+04

NUMBER OF SPILLS 4

MATERIAL CODE PA630500 MATERIAL NAME METHANE CHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE PA639000 MATERIAL NAME METHANE CHLORODIFLUORO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	0	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	0	0.143D+02	0
0.440D+01	0	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	0	0.187D+02	0
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	0	0.220D+02	1

LARGEST SPILL (KGRAMS) 0.220D+02 SMALLEST SPILL (KGRAMS) 0.220D+02 AVE SPILL 0.220D+02 TOT AMT SPILLED 0.220D+02

LARGEST HAZARD POTEN. 0.854D-01 SMALLEST HAZARD POTEN. 0.854D-01 AVE HZ. PT. 0.854D-01 TOT HAZARD PT. 0.854D-01

NUMBER OF SPILLS 1

MATERIAL CODE PA805000 MATERIAL NAME METHANE DICHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.473D+03	8	0.521D+04	0
0.947D+03	0	0.569D+04	0
0.142D+04	0	0.616D+04	0
0.189D+04	0	0.663D+04	0
0.237D+04	0	0.710D+04	0
0.284D+04	0	0.758D+04	0
0.331D+04	0	0.805D+04	0
0.379D+04	0	0.852D+04	0
0.426D+04	0	0.900D+04	0
0.473D+04	0	0.947D+04	1

LARGEST SPILL (LITERS) 0.946D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.107D+04 TOT AMT SPILLED 0.964D+04

NUMBER OF SPILLS 9

MATERIAL CODE PA820000 MATERIAL NAME METHANE DICHLORODIFLUORO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.951D+03	2	0.105D+05	0
0.190D+04	0	0.114D+05	0
0.285D+04	0	0.124D+05	0
0.380D+04	0	0.133D+05	0
0.475D+04	0	0.143D+05	0
0.571D+04	0	0.152D+05	0
0.666D+04	0	0.162D+05	0
0.761D+04	0	0.171D+05	0
0.856D+04	0	0.181D+05	0
0.951D+04	0	0.190D+05	1

LARGEST SPILL (KGRAMS) 0.190D+05 SMALLEST SPILL (KGRAMS) 0.560D+02 AVE SPILL 0.637D+04 TOT AMT SPILLED 0.191D+05

LARGEST HAZARD POTEN. 0.185D+02 SMALLEST HAZARD POTEN. 0.544D-01 AVE HZ. PT. 0.621D+01 TOT HAZARD PT. 0.186D+02

NUMBER OF SPILLS 3

MATERIAL CODE PA954000 MATERIAL NAME METHANE ISOCYANATO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE PA962500 MATERIAL NAME METHANE ISOTHIOCYANATO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.100D-01 SMALLEST HAZARD POTEN. 0.100D-01 AVE HZ. PT. 0.100D-01 TOT HAZARD PT. 0.100D-01

NUMBER OF SPILLS 1

MATERIAL CODE PA980000 MATERIAL NAME METHANE NITRO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.208D+02	1	0.229D+03	0
0.416D+02	0	0.250D+03	0
0.625D+02	0	0.271D+03	0
0.833D+02	0	0.291D+03	0
0.104D+03	0	0.312D+03	0
0.125D+03	0	0.333D+03	0
0.146D+03	0	0.354D+03	0
0.167D+03	0	0.375D+03	0
0.187D+03	0	0.396D+03	0
0.208D+03	0	0.416D+03	1

LARGEST SPILL (LITERS) 0.416D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.209D+03 TOT AMT SPILLED 0.417D+03

NUMBER OF SPILLS 2

MATERIAL CODE PB280000 MATERIAL NAME METHANESULFONYL CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.651D+00	0	0.716D+01	0
0.130D+01	0	0.781D+01	0
0.195D+01	0	0.846D+01	0
0.260D+01	0	0.911D+01	0
0.325D+01	0	0.976D+01	0
0.390D+01	0	0.104D+02	0
0.455D+01	0	0.111D+02	0
0.521D+01	0	0.117D+02	0
0.586D+01	0	0.124D+02	0
0.651D+01	0	0.130D+02	1

LARGEST SPILL (KGRAMS) 0.130D+02 SMALLEST SPILL (KGRAMS) 0.130D+02 AVE SPILL 0.130D+02 TOT AMT SPILLED 0.130D+02

LARGEST HAZARD POTEN. 0.339D-01 SMALLEST HAZARD POTEN. 0.339D-01 AVE HZ. PT. 0.339D-01 TOT HAZARD PT. 0.339D-01

NUMBER OF SPILLS 1

MATERIAL CODE PB437500 MATERIAL NAME METHANETHIOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE PB612500 MATERIAL NAME METHANE TRICHLOROFLUORO- 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.172D+02	0	0.189D+03	0
0.344D+02	0	0.207D+03	0
0.517D+02	0	0.224D+03	0
0.689D+02	0	0.241D+03	0
0.861D+02	0	0.258D+03	0
0.103D+03	0	0.275D+03	0
0.121D+03	0	0.293D+03	0
0.138D+03	0	0.310D+03	0
0.155D+03	0	0.327D+03	0
0.172D+03	0	0.344D+03	1

LARGEST SPILL (KGRAMS) 0.344D+03 SMALLEST SPILL (KGRAMS) 0.344D+03 AVE SPILL 0.344D+03 TOT AMT SPILLED 0.344D+03

LARGEST HAZARD POTEN. 0.334D+01 SMALLEST HAZARD POTEN. 0.334D+01 AVE HZ. PT. 0.334D+01 TOT HAZARD PT. 0.334D+01

NUMBER OF SPILLS 1

MATERIAL CODE FB63C000 MATERIAL NAME METHANE TRICHLORONITRO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.388D-02 SMALLEST HAZARD POTEN. 0.388D-02 AVE HZ. PT. 0.388D-02 TOT HAZARD PT. 0.388D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.140D+01	1	0.154D+02	0
0.280D+01	0	0.168D+02	0
0.420D+01	1	0.182D+02	0
0.561D+01	0	0.196D+02	0
0.701D+01	0	0.210D+02	0
0.841D+01	0	0.224D+02	0
0.981D+01	0	0.238D+02	0
0.112D+02	0	0.252D+02	0
0.126D+02	0	0.266D+02	0
0.140D+02	0	0.280D+02	1

LARGEST SPILL (LITERS) 0.280D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.107D+02 TOT AMT SPILLED 0.320D+02

NUMBER OF SPILLS 3

MATERIAL CODE PB980000 MATERIAL NAME METHANOINDAN 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.331D+02	6	0.364D+03	0
0.663D+02	2	0.398D+03	0
0.994D+02	0	0.431D+03	0
0.133D+03	0	0.464D+03	0
0.166D+03	1	0.497D+03	0
0.199D+03	0	0.530D+03	0
0.232D+03	0	0.563D+03	0
0.265D+03	0	0.596D+03	0
0.298D+03	0	0.630D+03	0
0.331D+03	0	0.663D+03	1

LARGEST SPILL (LITERS) 0.662D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.948D+02 TOT AMT SPILLED 0.948D+03

NUMBER OF SPILLS 10

MATERIAL CODE PCB00000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.751D+00	0	0.826D+01	0
0.150D+01	0	0.901D+01	0
0.225D+01	0	0.976D+01	0
0.300D+01	0	0.105D+02	0
0.375D+01	0	0.113D+02	0
0.450D+01	0	0.120D+02	0
0.526D+01	0	0.128D+02	0
0.601D+01	0	0.135D+02	0
0.676D+01	0	0.143D+02	0
0.751D+01	0	0.150D+02	1

LARGEST SPILL (LITERS) 0.150D+02 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.150D+02 TOT AMT SPILLED 0.150D+02

NUMBER OF SPILLS 1

MATERIAL CODE PC140000 MATERIAL NAME METHANOL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.550D+00	0
0.100D+00	0	0.600D+00	0
0.150D+00	0	0.650D+00	0
0.200D+00	0	0.700D+00	0
0.250D+00	0	0.750D+00	0
0.300D+00	0	0.800D+00	0
0.350D+00	0	0.850D+00	0
0.400D+00	0	0.900D+00	0
0.450D+00	0	0.950D+00	0
0.500D+00	0	0.100D+01	5

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.500D+01

LARGEST HAZARD POTEN. 0.747D-04 SMALLEST HAZARD POTEN. 0.747D-04 AVE HZ. PT. 0.747D-04 TOT HAZARD PT. 0.373D-03

NUMBER OF SPILLS 5

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+04	69	0.622D+05	0
0.113D+05	0	0.679D+05	0
0.170D+05	0	0.735D+05	0
0.226D+05	0	0.792D+05	0
0.283D+05	0	0.848D+05	0
0.339D+05	0	0.905D+05	0
0.396D+05	0	0.961D+05	0
0.452D+05	0	0.102D+06	0
0.509D+05	0	0.107D+06	0
0.566D+05	0	0.113D+06	1

LARGEST SPILL (LITERS) 0.113D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.176D+04 TOT AMT SPILLED 0.123D+06

NUMBER OF SPILLS 70

MATERIAL CODE PEROXID MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.400D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	2

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 2

MATERIAL CODE PESTICI MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	0	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	1	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.160D+02 AVE SPILL 0.465D+02 TOT AMT SPILLED 0.930D+02

NUMBER OF SPILLS 2

MATERIAL CODE PF630000 MATERIAL NAME METHYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.284D+03	1	0.312D+04	0
0.568D+03	0	0.341D+04	0
0.851D+03	0	0.369D+04	0
0.114D+04	0	0.397D+04	0
0.142D+04	0	0.426D+04	0
0.170D+04	0	0.454D+04	0
0.199D+04	0	0.482D+04	0
0.227D+04	0	0.511D+04	0
0.255D+04	0	0.539D+04	0
0.284D+04	0	0.568D+04	1

LARGEST SPILL (LITERS) 0.567D+04 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.284D+04 TOT AMT SPILLED 0.569D+04

NUMBER OF SPILLS 2

MATERIAL CODE PHOSPHRS MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	0	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	0	0.143D+02	0
0.440D+01	0	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	0	0.187D+02	0
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	0	0.220D+02	1

LARGEST SPILL (KGRAMS) 0.220D+02 SMALLEST SPILL (KGRAMS) 0.220D+02 AVE SPILL 0.220D+02 TOT AMT SPILLED 0.220D+02

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE PICKLE MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.114D+03	0	0.125D+04	0
0.227D+03	0	0.136D+04	0
0.341D+03	0	0.148D+04	0
0.454D+03	0	0.159D+04	0
0.568D+03	0	0.170D+04	0
0.682D+03	0	0.182D+04	0
0.795D+03	0	0.193D+04	0
0.909D+03	0	0.205D+04	0
0.102D+04	0	0.216D+04	0
0.114D+04	0	0.227D+04	1

LARGEST SPILL (LITERS) 0.227D+04 SMALLEST SPILL (LITERS) 0.227D+04 AVE SPILL 0.227D+04 TOT AMT SPILLED 0.227D+04

NUMBER OF SPILLS 1

MATERIAL CODE PLASTIC MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.300D+00	0	0.330D+01	0
0.601D+00	0	0.360D+01	0
0.901D+00	0	0.390D+01	0
0.120D+01	0	0.420D+01	0
0.150D+01	0	0.450D+01	0
0.180D+01	0	0.480D+01	0
0.210D+01	0	0.511D+01	0
0.240D+01	0	0.541D+01	0
0.270D+01	0	0.571D+01	0
0.300D+01	0	0.601D+01	1

LARGEST SPILL (KGRAMS) 0.600D+01 SMALLEST SPILL (KGRAMS) 0.600D+01 AVE SPILL 0.600D+01 TOT AMT SPILLED 0.600D+01

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE POISON MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.541D+03	39	0.595D+04	0
0.108D+04	0	0.649D+04	0
0.162D+04	0	0.703D+04	0
0.216D+04	0	0.757D+04	0
0.270D+04	0	0.811D+04	0
0.324D+04	0	0.865D+04	0
0.378D+04	0	0.919D+04	0
0.432D+04	0	0.973D+04	0
0.486D+04	0	0.103D+05	0
0.541D+04	0	0.103D+05	1

LARGEST SPILL (KGRAMS) 0.108D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.278D+03 TOT AMT SPILLED 0.111D+05

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 40

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+02	110	0.416D+03	1
0.757D+02	2	0.454D+03	0
0.114D+03	3	0.492D+03	0
0.151D+03	2	0.530D+03	0
0.189D+03	1	0.568D+03	0
0.227D+03	4	0.605D+03	0
0.265D+03	0	0.643D+03	0
0.303D+03	1	0.681D+03	0
0.341D+03	0	0.719D+03	0
0.378D+03	0	0.757D+03	1

LARGEST SPILL (LITERS) 0.756D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.309D+02 TOT AMT SPILLED 0.386D+04

NUMBER OF SPILLS 125

MATERIAL CODE POISONB MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE PVG21000 MATERIAL NAME METHYL SULFOXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.100D+00	0	0.110D+01	0
0.200D+00	0	0.120D+01	0
0.300D+00	0	0.130D+01	0
0.400D+00	0	0.140D+01	0
0.500D+00	0	0.150D+01	0
0.601D+00	0	0.160D+01	0
0.701D+00	0	0.170D+01	0
0.801D+00	0	0.180D+01	0
0.901D+00	0	0.190D+01	0
0.100D+01	0	0.200D+01	1

LARGEST SPILL (KGRAMS) 0.200D+01 SMALLEST SPILL (KGRAMS) 0.200D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.971D-04 SMALLEST HAZARD POTEN. 0.971D-04 AVE HZ. PT. 0.971D-04 TOT HAZARD PT. 0.971D-04

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE QA490000 MATERIAL NAME MOLYBDIC ACID DIAMMONUM 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.140D+01	0	0.154D+02	0
0.280D+01	0	0.168D+02	0
0.420D+01	1	0.182D+02	0
0.561D+01	0	0.196D+02	0
0.701D+01	0	0.210D+02	0
0.841D+01	0	0.224D+02	0
0.981D+01	0	0.238D+02	0
0.112D+02	0	0.252D+02	0
0.126D+02	0	0.266D+02	0
0.140D+02	0	0.280D+02	1

LARGEST SPILL (LITERS) 0.280D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.155D+02 TOT AMT SPILLED 0.310D+02

NUMBER OF SPILLS 2

MATERIAL CODE QC787500 MATERIAL NAME MORPHINAN 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.541D+01	0	0.595D+02	0
0.108D+02	0	0.649D+02	0
0.162D+02	0	0.703D+02	0
0.216D+02	0	0.757D+02	0
0.270D+02	0	0.811D+02	0
0.324D+02	0	0.865D+02	0
0.378D+02	0	0.919D+02	0
0.432D+02	0	0.973D+02	0
0.486D+02	0	0.103D+03	0
0.541D+02	0	0.108D+03	1

LARGEST SPILL (KGRAMS) 0.108D+03 SMALLEST SPILL (KGRAMS) 0.108D+03 AVE SPILL 0.108D+03 TOT AMT SPILLED 0.108D+03

LARGEST HAZARD POTEN. 0.141D+00 SMALLEST HAZARD POTEN. 0.141D+00 AVE HZ. PT. 0.141D+00 TOT HAZARD PT. 0.141D+00

NUMBER OF SPILLS 1

MATERIAL CODE QD647500 MATERIAL NAME MORPHOLINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE QE577500 MATERIAL NAME MORPHOLINE 4-METHLY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.181D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE QJ052500 MATERIAL NAME NAPHTHALENE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.545D-03 SMALLEST HAZARD POTEN. 0.545D-03 AVE HZ. PT. 0.545D-03 TOT HAZARD PT. 0.545D-03

NUMBER OF SPILLS 1

MATERIAL CODE QL507500 MATERIAL NAME NAPHTHOL TETRABROMO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+03	0	0.831D+04	0
0.151D+04	0	0.907D+04	0
0.227D+04	0	0.982D+04	0
0.302D+04	0	0.106D+05	0
0.378D+04	0	0.113D+05	0
0.453D+04	0	0.121D+05	0
0.529D+04	0	0.128D+05	0
0.605D+04	0	0.136D+05	0
0.680D+04	0	0.144D+05	0
0.756D+04	0	0.151D+05	1

LARGEST SPILL (LITERS) 0.151D+05 SMALLEST SPILL (LITERS) 0.151D+05 AVE SPILL 0.151D+05 TOT AMT SPILLED 0.151D+05

NUMBER OF SPILLS 1

MATERIAL CODE QS525000 MATERIAL NAME NICOTINE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.183D-01 SMALLEST HAZARD POTEN. 0.183D-01 AVE HZ. PT. 0.183D-01 TOT HAZARD PT. 0.183D-01

NUMBER OF SPILLS 1

MATERIAL CODE QS962500 MATERIAL NAME NICOTINE SULFATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.208D+02	0	0.229D+03	0
0.416D+02	0	0.250D+03	0
0.625D+02	0	0.271D+03	0
0.833D+02	0	0.291D+03	0
0.104D+03	0	0.312D+03	0
0.125D+03	0	0.333D+03	0
0.146D+03	0	0.354D+03	0
0.167D+03	0	0.375D+03	0
0.187D+03	0	0.396D+03	0
0.208D+03	0	0.416D+03	1

LARGEST SPILL (LITERS) 0.416D+03 SMALLEST SPILL (LITERS) 0.416D+03 AVE SPILL 0.416D+03 TOT AMT SPILLED 0.416D+03

NUMBER OF SPILLS 1

MATERIAL CODE QU577500 MATERIAL NAME NITRIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+04	21	0.114D+05	0
0.207D+04	0	0.124D+05	0
0.311D+04	0	0.135D+05	0
0.414D+04	0	0.145D+05	0
0.518D+04	0	0.155D+05	0
0.622D+04	0	0.166D+05	0
0.725D+04	0	0.176D+05	0
0.829D+04	0	0.186D+05	0
0.932D+04	0	0.197D+05	0
0.104D+05	0	0.207D+05	1

LARGEST SPILL (KGRAMS) 0.207D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.101D+04 TOT AMT SPILLED 0.222D+05

LARGEST HAZARD POTEN. 0.100D+00 SMALLEST HAZARD POTEN. 0.484D-05 AVE HZ. PT. 0.487D-02 TOT HAZARD PT. 0.107D+00

NUMBER OF SPILLS 22

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.492D+03	83	0.542D+04	0
0.985D+03	1	0.591D+04	0
0.148D+04	1	0.640D+04	0
0.197D+04	2	0.689D+04	0
0.246D+04	1	0.739D+04	0
0.295D+04	0	0.788D+04	1
0.345D+04	0	0.837D+04	1
0.394D+04	2	0.886D+04	0
0.443D+04	0	0.936D+04	0
0.492D+04	0	0.985D+04	1

LARGEST SPILL (LITERS) 0.984D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.477D+03 TOT AMT SPILLED 0.444D+05

NUMBER OF SPILLS 93

MATERIAL CODE QW090000 MATERIAL NAME NITRO CARBO NITRATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.318D+02	1	0.350D+03	0
0.636D+02	2	0.381D+03	0
0.953D+02	0	0.413D+03	0
0.127D+03	0	0.445D+03	0
0.159D+03	0	0.477D+03	0
0.191D+03	0	0.509D+03	0
0.222D+03	0	0.540D+03	0
0.254D+03	0	0.572D+03	0
0.286D+03	0	0.604D+03	0
0.318D+03	0	0.636D+03	1

LARGEST SPILL (KGRAMS) 0.635D+03 SMALLEST SPILL (KGRAMS) 0.200D+01 AVE SPILL 0.182D+03 TOT AMT SPILLED 0.727D+03

LARGEST HAZARD POTEN. 0.440D-01 SMALLEST HAZARD POTEN. 0.139D-03 AVE HZ. PT. 0.126D-01 TOT HAZARD PT. 0.504D-01

NUMBER OF SPILLS 4

MATERIAL CODE CW070000 MATERIAL NAME NITROGEN 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	0	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	0	0.143D+02	0
0.440D+01	0	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	0	0.187D+02	1
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	0	0.220D+02	1

LARGEST SPILL (KGRAMS) 0.220D+02 SMALLEST SPILL (KGRAMS) 0.180D+02 AVE SPILL 0.200D+02 TOT AMT SPILLED 0.400D+02

LARGEST HAZARD POTEN. 0.171D-03 SMALLEST HAZARD POTEN. 0.140D-03 AVE HZ. PT. 0.155D-03 TOT HAZARD PT. 0.311D-03

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+03	4	0.831D+04	0
0.151D+04	1	0.907D+04	0
0.227D+04	0	0.982D+04	0
0.302D+04	0	0.106D+05	0
0.378D+04	1	0.113D+05	0
0.453D+04	0	0.121D+05	0
0.529D+04	0	0.128D+05	0
0.605D+04	0	0.136D+05	0
0.680D+04	0	0.144D+05	0
0.756D+04	0	0.151D+05	1

LARGEST SPILL (LITERS) 0.151D+05 SMALLEST SPILL (LITERS) 0.151D+03 AVE SPILL 0.296D+04 TOT AMT SPILLED 0.208D+05

NUMBER OF SPILLS 7

MATERIAL CODE QW972000 MATERIAL NAME NITROGEN CRYOGENIC LIQUID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.159D+02	0	0.175D+03	0
0.317D+02	1	0.190D+03	0
0.476D+02	0	0.206D+03	0
0.635D+02	0	0.222D+03	0
0.793D+02	0	0.238D+03	0
0.952D+02	0	0.254D+03	0
0.111D+03	0	0.270D+03	0
0.127D+03	0	0.286D+03	0
0.143D+03	0	0.301D+03	0
0.159D+03	0	0.317D+03	1

LARGEST SPILL (KGRAMS) 0.317D+03 SMALLEST SPILL (KGRAMS) 0.180D+02 AVE SPILL 0.168D+03 TOT AMT SPILLED 0.335D+03

LARGEST HAZARD POTEN. 0.205D-01 SMALLEST HAZARD POTEN. 0.117D-02 AVE HZ. PT. 0.108D-01 TOT HAZARD PT. 0.217D-01

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.435D+04	4	0.479D+05	0
0.871D+04	0	0.523D+05	0
0.131D+05	0	0.566D+05	0
0.174D+05	2	0.610D+05	0
0.218D+05	1	0.653D+05	0
0.261D+05	0	0.697D+05	0
0.305D+05	0	0.740D+05	0
0.348D+05	0	0.784D+05	0
0.392D+05	0	0.827D+05	0
0.435D+05	0	0.871D+05	1

LARGEST SPILL (LITERS) 0.870D+05 SMALLEST SPILL (LITERS) 0.264D+04 AVE SPILL 0.182D+05 TOT AMT SPILLED 0.145D+06

NUMBER OF SPILLS 8

MATERIAL CODE QX052500 MATERIAL NAME NITROGEN MONOXIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.706D+01	0	0.776D+02	0
0.141D+02	0	0.847D+02	0
0.212D+02	0	0.917D+02	0
0.282D+02	0	0.988D+02	0
0.353D+02	0	0.106D+03	0
0.423D+02	0	0.113D+03	0
0.494D+02	0	0.120D+03	0
0.565D+02	0	0.127D+03	0
0.635D+02	0	0.134D+03	0
0.706D+02	0	0.141D+03	1

LARGEST SPILL (LITERS) 0.141D+03 SMALLEST SPILL (LITERS) 0.141D+03 AVE SPILL 0.141D+03 TOT AMT SPILLED 0.141D+03

NUMBER OF SPILLS 1

MATERIAL CODE RA122500 MATERIAL NAME NITROUS ACID SODIUM SALT 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.450D+01	0	0.495D+02	0
0.901D+01	0	0.541D+02	0
0.135D+02	0	0.586D+02	0
0.180D+02	0	0.631D+02	0
0.225D+02	1	0.676D+02	0
0.270D+02	0	0.721D+02	0
0.315D+02	0	0.766D+02	0
0.360D+02	0	0.811D+02	0
0.405D+02	0	0.856D+02	0
0.450D+02	0	0.901D+02	1

LARGEST SPILL (KGRAMS) 0.900D+02 SMALLEST SPILL (KGRAMS) 0.220D+02 AVE SPILL 0.560D+02 TOT AMT SPILLED 0.112D+03

LARGEST HAZARD POTEN. 0.103D+01 SMALLEST HAZARD POTEN. 0.251D+00 AVE HZ. PT. 0.640D+00 TOT. HAZARD PT. 0.128D+01

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+02	1	0.208D+03	0
0.378D+02	0	0.227D+03	0
0.568D+02	0	0.246D+03	0
0.757D+02	0	0.265D+03	0
0.946D+02	0	0.284D+03	0
0.114D+03	0	0.303D+03	0
0.132D+03	0	0.322D+03	0
0.151D+03	0	0.341D+03	0
0.170D+03	0	0.359D+03	0
0.189D+03	0	0.378D+03	1

LARGEST SPILL (LITERS) 0.378D+03 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.193D+03 TOT AMT SPILLED 0.385D+03

NUMBER OF SPILLS 2

MATERIAL CODE RB910000 MATERIAL NAME NORBORNENE DICRABOXYLIC ANHYDRIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	0	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.208D+03 AVE SPILL 0.208D+03 TOT AMT SPILLED 0.208D+03

NUMBER OF SPILLS 1

MATERIAL CODE RESIN MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	2	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.257D+02 TOT AMT SPILLED 0.770D+02

NUMBER OF SPILLS 3

MATERIAL CODE RG227500 MATERIAL NAME OCTADECENOIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.189D+03

NUMBER OF SPILLS 1

MATERIAL CODE RH655000 MATERIAL NAME OCTYL ALCOHOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.114D+03	0	0.125D+04	0
0.227D+03	0	0.136D+04	0
0.341D+03	0	0.148D+04	0
0.454D+03	0	0.159D+04	0
0.568D+03	0	0.170D+04	0
0.682D+03	0	0.182D+04	0
0.795D+03	0	0.193D+04	0
0.909D+03	0	0.205D+04	0
0.102D+04	0	0.216D+04	0
0.114D+04	0	0.227D+04	1

LARGEST SPILL (LITERS) 0.227D+04 SMALLEST SPILL (LITERS) 0.227D+04 AVE SPILL 0.227D+04 TOT AMT SPILLED 0.227D+04

NUMBER OF SPILLS 1

MATERIAL CODE RM647500 MATERIAL NAME ORTHOFORMIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	0	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.208D+03 AVE SPILL 0.208D+03 TOT AMT SPILLED 0.208D+03

NUMBER OF SPILLS 1

MATERIAL CODE RS206000 MATERIAL NAME OXYGEN 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	0	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.750D+02 AVE SPILL 0.750D+02 TOT AMT SPILLED 0.750D+02

NUMBER OF SPILLS 1

MATERIAL CODE RZ945000 MATERIAL NAME PENTANE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE SA299500 MATERIAL NAME PENTANE 2-METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	0	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.110D+02 AVE SPILL 0.110D+02 TOT AMT SPILLED 0.110D+02

NUMBER OF SPILLS 1

MATERIAL CODE SA315000 MATERIAL NAME PENTANETHIOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE SA332000 MATERIAL NAME PENTANE TRIMETHY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.100D+00	0	0.110D+01	0
0.200D+00	0	0.120D+01	0
0.300D+00	0	0.130D+01	0
0.400D+00	0	0.140D+01	0
0.500D+00	0	0.150D+01	0
0.601D+00	0	0.160D+01	0
0.701D+00	0	0.170D+01	0
0.801D+00	0	0.180D+01	0
0.901D+00	0	0.190D+01	0
0.100D+01	0	0.200D+01	1

LARGEST SPILL (LITERS) 0.200D+01 SMALLEST SPILL (LITERS) 0.200D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.200D+01

NUMBER OF SPILLS 1

MATERIAL CODE SA735000 MATERIAL NAME PENTANOL 4-METHYL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.373D-03 SMALLEST HAZARD POTEN. 0.373D-03 AVE HZ. PT. 0.373D-03 TOT HAZARD PT. 0.373D-03

NUMBER OF SPILLS 1

MATERIAL CODE SA927500 MATERIAL NAME PENTANONE 4-METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.189D+03

NUMBER OF SPILLS 1

MATERIAL CODE SB420000 MATERIAL NAME 3 PENTEN 2-ONE 4-METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	1	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.190D+02 TOT AMT SPILLED 0.380D+02

NUMBER OF SPILLS 2

MATERIAL CODE SB980000 MATERIAL NAME PERCHLORIC ACID SODIUM SALT 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE SC750000 MATERIAL NAME PERCHLORIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	4	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	4	0.143D+02	0
0.440D+01	1	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	1	0.187D+02	0
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	1	0.220D+02	1

LARGEST SPILL (LITERS) 0.220D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.500D+01 TOT AMT SPILLED 0.600D+02

NUMBER OF SPILLS 12

MATERIAL CODE 50647500 MATERIAL NAME PERMANGAMIC ACID, POTASSIUM SALT 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.891D-03 SMALLEST HAZARD POTEN. 0.891D-03 AVE HZ. PT. 0.891D-03 TOT HAZARD PT. 0.891D-03

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.227D+02	0	0.250D+03	0
0.454D+02	0	0.273D+03	0
0.682D+02	0	0.295D+03	0
0.909D+02	0	0.318D+03	0
0.114D+03	0	0.341D+03	0
0.136D+03	0	0.364D+03	0
0.159D+03	0	0.386D+03	0
0.182D+03	0	0.409D+03	0
0.205D+03	0	0.432D+03	0
0.227D+03	0	0.454D+03	1

LARGEST SPILL (LITERS) 0.454D+03 SMALLEST SPILL (LITERS) 0.454D+03 AVE SPILL 0.454D+03 TOT AMT SPILLED 0.454D+03

NUMBER OF SPILLS 1

MATERIAL CODE 3D7B6100 MATERIAL NAME PEROXIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE SD875000 MATERIAL NAME PEROXYACETIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.630D-03 SMALLEST HAZARD POTEN. 0.630D-03 AVE HZ. PT. 0.630D-03 TOT HAZARD PT. 0.630D-03

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE SENTEL MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.160D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE SE755500 MATERIAL NAME PETROLEUM SPIRITS 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.340D+02	0	0.374D+03	0
0.681D+02	0	0.408D+03	0
0.102D+03	0	0.442D+03	0
0.136D+03	0	0.476D+03	0
0.170D+03	0	0.511D+03	0
0.204D+03	0	0.545D+03	0
0.238D+03	0	0.579D+03	0
0.272D+03	0	0.613D+03	0
0.306D+03	0	0.647D+03	0
0.340D+03	0	0.681D+03	1

LARGEST SPILL (KGRAMS) 0.680D+03 SMALLEST SPILL (KGRAMS) 0.680D+03 AVE SPILL 0.680D+03 TOT AMT SPILLED 0.680D+03

LARGEST HAZARD POTEN. 0.110D+00 SMALLEST HAZARD POTEN. 0.110D+00 AVE HZ. PT. 0.110D+00 TOT HAZARD PT. 0.110D+00

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+03	7	0.104D+05	0
0.189D+04	2	0.114D+05	0
0.284D+04	0	0.123D+05	0
0.378D+04	0	0.132D+05	1
0.473D+04	0	0.142D+05	0
0.568D+04	0	0.151D+05	0
0.662D+04	0	0.161D+05	0
0.757D+04	0	0.170D+05	0
0.851D+04	0	0.180D+05	0
0.946D+04	0	0.189D+05	1

LARGEST SPILL (LITERS) 0.189D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.326D+04 TOT AMT SPILLED 0.359D+05

NUMBER OF SPILLS 11

MATERIAL CODE SG875000 MATERIAL NAME PHENETHYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+02	0	0.104D+04	0
0.189D+03	0	0.114D+04	0
0.284D+03	0	0.123D+04	0
0.379D+03	0	0.132D+04	0
0.473D+03	0	0.142D+04	0
0.568D+03	0	0.151D+04	0
0.662D+03	0	0.161D+04	0
0.757D+03	0	0.170D+04	0
0.851D+03	0	0.180D+04	0
0.946D+03	0	0.189D+04	1

LARGEST SPILL (LITERS) 0.189D+04 SMALLEST SPILL (LITERS) 0.189D+04 AVE SPILL 0.189D+04 TOT AMT SPILLED 0.189D+04

NUMBER OF SPILLS 1

MATERIAL CODE SILICON MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE SJ220500 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.142D+02	0	0.156D+03	0
0.283D+02	0	0.170D+03	0
0.425D+02	0	0.184D+03	0
0.567D+02	0	0.198D+03	0
0.708D+02	0	0.212D+03	0
0.850D+02	0	0.227D+03	0
0.991D+02	0	0.241D+03	0
0.113D+03	0	0.255D+03	0
0.127D+03	0	0.269D+03	0
0.142D+03	0	0.283D+03	1

LARGEST SPILL (LITERS) 0.283D+03 SMALLEST SPILL (LITERS) 0.283D+03 AVE SPILL 0.283D+03 TOT AMT SPILLED 0.283D+03

NUMBER OF SPILLS 1

MATERIAL CODE SJ332500 MATERIAL NAME PHENOL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.270D+01	4	0.297D+02	0
0.541D+01	2	0.324D+02	0
0.811D+01	0	0.351D+02	0
0.106D+02	1	0.378D+02	0
0.135D+02	1	0.405D+02	0
0.162D+02	0	0.432D+02	0
0.189D+02	0	0.459D+02	0
0.216D+02	0	0.486D+02	0
0.243D+02	0	0.514D+02	0
0.270D+02	0	0.541D+02	1

LARGEST SPILL (KGRAMS) 0.540D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.956D+01 TOT AMT SPILLED 0.860D+02

LARGEST HAZARD POTEN. 0.127D+00 SMALLEST HAZARD POTEN. 0.235D-02 AVE. HZ. PT. 0.225D-01 TOT HAZARD PT. 0.202D+00

NUMBER OF SPILLS 9

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.454D+05	18	0.500D+06	0
0.909D+05	0	0.545D+06	0
0.136D+06	1	0.591D+06	0
0.182D+06	0	0.636D+06	0
0.227D+06	0	0.682D+06	0
0.273D+06	1	0.727D+06	0
0.318D+06	0	0.773D+06	0
0.364D+06	0	0.818D+06	0
0.409D+06	0	0.863D+06	0
0.454D+06	0	0.909D+06	1

LARGEST SPILL (LITERS) 0.908D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.600D+05 TOT AMT SPILLED 0.126D+07

NUMBER OF SPILLS 21

MATERIAL CODE SJ885000 MATERIAL NAME PHENOL BUTYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.661D+03	0	0.727D+04	0
0.132D+04	0	0.793D+04	0
0.198D+04	0	0.859D+04	0
0.264D+04	0	0.925D+04	0
0.330D+04	0	0.991D+04	0
0.396D+04	0	0.106D+05	0
0.462D+04	0	0.112D+05	0
0.529D+04	0	0.119D+05	0
0.595D+04	0	0.126D+05	0
0.661D+04	0	0.132D+05	1

LARGEST SPILL (LITERS) 0.132D+05 SMALLEST SPILL (LITERS) 0.132D+05 AVE SPILL 0.132D+05 TOT AMT SPILLED 0.132D+05

NUMBER OF SPILLS 1

MATERIAL CODE SL262500 MATERIAL NAME PHENOL DINITRO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.162D-01 SMALLEST HAZARD POTEN. 0.162D-01 AVE HZ. PT. 0.162D-01 TOT HAZARD PT. 0.162D-01

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.322D+03	16	0.354D+04	0
0.644D+03	0	0.386D+04	0
0.965D+03	0	0.418D+04	0
0.129D+04	1	0.451D+04	0
0.161D+04	0	0.483D+04	0
0.193D+04	0	0.515D+04	0
0.225D+04	0	0.547D+04	0
0.257D+04	0	0.579D+04	0
0.290D+04	0	0.611D+04	0
0.322D+04	1	0.644D+04	1

LARGEST SPILL (LITERS) 0.643D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.573D+03 TOT AMT SPILLED 0.109D+05

NUMBER OF SPILLS 19

MATERIAL CODE SM560000 MATERIAL NAME PHENOL,NONYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE SM630000 MATERIAL NAME PHENOL PENTACHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	2

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.360D+02

NUMBER OF SPILLS 2

MATERIAL CODE SM735000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE SODI SU MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.114D+02	0	0.125D+03	0
0.227D+02	0	0.136D+03	0
0.341D+02	0	0.148D+03	0
0.454D+02	0	0.159D+03	0
0.568D+02	0	0.170D+03	0
0.682D+02	0	0.182D+03	0
0.795D+02	0	0.193D+03	0
0.909D+02	0	0.205D+03	0
0.102D+03	0	0.216D+03	0
0.114D+03	0	0.227D+03	1

LARGEST SPILL (LITERS) 0.227D+03 SMALLEST SPILL (LITERS) 0.227D+03 AVE SPILL 0.227D+03 TOT AMT SPILLED 0.227D+03

NUMBER OF SPILLS 1

MATERIAL CODE SOLVENT MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+03	1	0.208D+04	0
0.378D+03	0	0.227D+04	0
0.568D+03	0	0.246D+04	0
0.757D+03	0	0.265D+04	0
0.946D+03	0	0.284D+04	0
0.114D+04	0	0.303D+04	0
0.132D+04	0	0.322D+04	0
0.151D+04	0	0.341D+04	0
0.170D+04	0	0.359D+04	0
0.189D+04	0	0.378D+04	1

LARGEST SPILL (LITERS) 0.378D+04 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.198D+04 TOT AMT SPILLED 0.397D+04

NUMBER OF SPILLS 2

MATERIAL CODE S0682500 MATERIAL NAME PENOTHIAZINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE ST332500 MATERIAL NAME PHENYLENEDIAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	0	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.750D+02 AVE SPILL 0.750D+02 TOT AMT SPILLED 0.750D+02

NUMBER OF SPILLS 1

MATERIAL CODE SY880000 MATERIAL NAME PHOSINE DICHLOROPHENYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.3F0D+00	0	0.385D+01	0
0.7(D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE TA350000 MATERIAL NAME PHOSPHONIUM TRIPHENYL CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.526D+03	0	0.578D+04	0
0.105D+04	0	0.631D+04	0
0.158D+04	0	0.683D+04	0
0.210D+04	0	0.736D+04	0
0.263D+04	0	0.788D+04	0
0.315D+04	0	0.841D+04	0
0.368D+04	0	0.893D+04	0
0.420D+04	0	0.946D+04	0
0.473D+04	0	0.998D+04	0
0.526D+04	0	0.105D+05	1

LARGEST SPILL (LITERS) 0.105D+05 SMALLEST SPILL (LITERS) 0.105D+05 AVE SPILL 0.105D+05 TOT AMT SPILLED 0.105D+05

NUMBER OF SPILLS 1

MATERIAL CODE TA595000 MATERIAL NAME PHOSPHONODITHIOIC ACID ETHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE TB172000 MATERIAL NAME PHOSPHONOTHIOIC ACID PHENYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.550D+00	0	0.605D+01	0
0.110D+01	0	0.660D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.110D+02 AVE SPILL 0.110D+02 TOT AMT SPILLED 0.110D+02

NUMBER OF SPILLS 1

MATERIAL CODE TB497000 MATERIAL NAME PHOSPHORAMIDOTHIOIC ACI 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	1	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.400D+01

NUMBER OF SPILLS 2

MATERIAL CODE TB630000 MATERIAL NAME PHOSPHORIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.454D+04	10	0.499D+05	0
0.908D+04	1	0.545D+05	0
0.136D+05	0	0.590D+05	0
0.182D+05	0	0.636D+05	1
0.227D+05	0	0.681D+05	0
0.272D+05	0	0.726D+05	0
0.318D+05	0	0.772D+05	0
0.363D+05	0	0.817D+05	0
0.409D+05	0	0.863D+05	0
0.454D+05	0	0.908D+05	2

LARGEST SPILL (KGRAMS) 0.907D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.182D+05 TOT AMT SPILLED 0.255D+06

LARGEST HAZARD POTEN. 0.576D+02 SMALLEST HAZARD POTEN. 0.635D-03 AVE HZ. PT. 0.116D+02 TOT HAZARD PT. 0.162D+03

NUMBER OF SPILLS 14

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.227D+04	93	0.250D+05	0
0.454D+04	2	0.273D+05	0
0.682D+04	0	0.295D+05	0
0.909D+04	1	0.318D+05	1
0.114D+05	0	0.341D+05	0
0.136D+05	0	0.364D+05	0
0.159D+05	1	0.386D+05	0
0.182D+05	0	0.409D+05	0
0.205D+05	0	0.432D+05	0
0.227D+05	1	0.454D+05	1

LARGEST SPILL (LITERS) 0.454D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.152D+04 TOT AMT SPILLED 0.152D+06

NUMBER OF SPILLS 100

MATERIAL CODE TC035000 MATERIAL NAME PHOSPHORIC ACID 2-2 DICHLOROVINYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE TC437300 MATERIAL NAME PHOSPHORIC ACID DIMETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	2	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	1	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.153D+02 TOT AMT SPILLED 0.610D+02

NUMBER OF SPILLS 4

MATERIAL CODE TD510000 MATERIAL NAME PHOSPHORODITHIOIC ACID DIETHYL ESTER 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.194D+00 SMALLEST HAZARD POTEN. 0.194D+00 AVE HZ. PT. 0.194D+00 TOT HAZARD PT. 0.194D+00

NUMBER OF SPILLS 1

MATERIAL CODE TD525000 MATERIAL NAME PHOSPHORODITHIOIC ACID (ACARITHION) 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	0	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.208D+03 AVE SPILL 0.208D+03 TOT AMT SPILLED 0.208D+03

NUMBER OF SPILLS 1

MATERIAL CODE VV027500 MATERIAL NAME SILIC ACID DISODIUM SALT 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.136D+02	0	0.150D+03	0
0.272D+02	0	0.163D+03	0
0.408D+02	0	0.177D+03	0
0.545D+02	0	0.191D+03	0
0.681D+02	0	0.204D+03	0
0.817D+02	0	0.218D+03	0
0.953D+02	0	0.231D+03	0
0.109D+03	0	0.245D+03	0
0.123D+03	0	0.259D+03	0
0.136D+03	0	0.272D+03	1

LARGEST SPILL (KGRAMS)	0.272D+03	SMALLEST SPILL (KGRAMS)	0.272D+03	AVE SPILL	0.272D+03	TOT AMT SPILLED	0.272D+03
LARGEST HAZARD POTEN.	0.264D+00	SMALLEST HAZARD POTEN.	0.264D+00	AVE HZ. PT.	0.264D+00	TOT HAZARD PT.	0.264D+00

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+03	0	0.208D+04	0
0.379D+03	0	0.227D+04	0
0.568D+03	0	0.246D+04	0
0.757D+03	0	0.265D+04	0
0.946D+03	0	0.284D+04	0
0.114D+04	0	0.303D+04	0
0.132D+04	0	0.322D+04	0
0.151D+04	0	0.341D+04	0
0.170D+04	0	0.359D+04	0
0.189D+04	0	0.378D+04	1

LARGEST SPILL (LITERS)	0.378D+04	SMALLEST SPILL (LITERS)	0.378D+04	AVE SPILL	0.378D+04	TOT AMT SPILLED	0.378D+04

NUMBER OF SPILLS 1

MATERIAL CODE VV945000 MATERIAL NAME SILICIC ACID TETRAETHY ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.550D+00	0
0.100D+00	0	0.600D+00	0
0.150D+00	0	0.650D+00	0
0.200D+00	0	0.700D+00	0
0.250D+00	0	0.750D+00	0
0.300D+00	0	0.800D+00	0
0.350D+00	0	0.850D+00	0
0.400D+00	0	0.900D+00	0
0.450D+00	0	0.950D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE VW052500 MATERIAL NAME SILICON CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.550D+00	0
0.100D+00	0	0.600D+00	0
0.150D+00	0	0.650D+00	0
0.200D+00	0	0.700D+00	0
0.250D+00	0	0.750D+00	0
0.300D+00	0	0.800D+00	0
0.350D+00	0	0.850D+00	0
0.400D+00	0	0.900D+00	0
0.450D+00	0	0.950D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.194D-03 SMALLEST HAZARD POTEN. 0.194D-03 AVE HZ. PT. 0.194D-03 TOT HAZARD PT. 0.194D-03

NUMBER OF SPILLS 1

MATERIAL CODE VW472500 MATERIAL NAME SILVER NITRATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.250D+00	0	0.275D+01	0
0.500D+00	0	0.300D+01	0
0.751D+00	0	0.325D+01	0
0.100D+01	3	0.350D+01	0
0.125D+01	0	0.375D+01	0
0.150D+01	0	0.400D+01	0
0.175D+01	0	0.425D+01	0
0.200D+01	0	0.450D+01	0
0.225D+01	0	0.475D+01	0
0.250D+01	0	0.500D+01	1

LARGEST SPILL (LITERS) 0.500D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.800D+01

NUMBER OF SPILLS 4

MATERIAL CODE VY770500 MATERIAL NAME SODIUM ARSENITE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE VY805000 MATERIAL NAME SODIUM AZIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS)	0.100D+01	SMALLEST SPILL (KGRAMS)	0.100D+01	AVE SPILL	0.100D+01	TOT AMT SPILLED	0.100D+01
LARGEST HAZARD POTEN.	0.149D-01	SMALLEST HAZARD POTEN.	0.149D-01	AVE HZ. PT.	0.149D-01	TOT HAZARD PT.	0.149D-01

NUMBER OF SPILLS 1

MATERIAL CODE VY841000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS)	0.100D+01	SMALLEST SPILL (KGRAMS)	0.100D+01	AVE SPILL	0.100D+01	TOT AMT SPILLED	0.100D+01
LARGEST HAZARD POTEN.	0.0	SMALLEST HAZARD POTEN.	0.0	AVE HZ. PT.	0.0	TOT HAZARD PT.	0.0

NUMBER OF SPILLS 1

MATERIAL CODE VZ186000 MATERIAL NAME SODIUM BISULFATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.227D+02	0	0.249D+03	0
0.453D+02	0	0.272D+03	0
0.680D+02	0	0.295D+03	0
0.907D+02	0	0.317D+03	0
0.113D+03	0	0.340D+03	0
0.136D+03	0	0.363D+03	0
0.159D+03	0	0.385D+03	0
0.181D+03	0	0.408D+03	0
0.204D+03	0	0.431D+03	0
0.227D+03	0	0.453D+03	1

LARGEST SPILL (KGRAMS) 0.453D+03 SMALLEST SPILL (KGRAMS) 0.453D+03 AVE SPILL 0.453D+03 TOT AMT SPILLED 0.453D+03

LARGEST HAZARD POTEN. 0.200D+00 SMALLEST HAZARD POTEN. 0.200D+00 AVE HZ. PT. 0.200D+00 TOT HAZARD PT. 0.200D+00

NUMBER OF SPILLS 1

MATERIAL CODE VZ200000 MATERIAL NAME SODIUM BISULFATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+03	2	0.104D+05	0
0.189D+04	0	0.114D+05	0
0.284D+04	0	0.123D+05	0
0.378D+04	0	0.132D+05	0
0.473D+04	0	0.142D+05	0
0.568D+04	0	0.151D+05	0
0.662D+04	0	0.161D+05	0
0.757D+04	0	0.170D+05	0
0.851D+04	0	0.180D+05	0
0.946D+04	0	0.189D+05	1

LARGEST SPILL (LITERS) 0.189D+05 SMALLEST SPILL (LITERS) 0.132D+03 AVE SPILL 0.641D+04 TOT AMT SPILLED 0.192D+05

NUMBER OF SPILLS 3

MATERIAL CODE VZ405000 MATERIAL NAME SODIUM CARBONATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	0	0.248D+02	0
0.450D+01	0	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	2	0.315D+02	0
0.113D+02	0	0.338D+02	0
0.135D+02	0	0.360D+02	0
0.158D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	0	0.450D+02	2

LARGEST SPILL (KGRAMS) 0.450D+02 SMALLEST SPILL (KGRAMS) 0.900D+01 AVE SPILL 0.270D+02 TOT AMT SPILLED 0.108D+03

LARGEST HAZARD POTEN. 0.874D-02 SMALLEST HAZARD POTEN. 0.175D-02 AVE HZ. PT. 0.524D-02 TOT HAZARD PT. 0.210D-01

NUMBER OF SPILLS 4

MATERIAL CODE VZ472500 MATERIAL NAME SODIUM CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	2	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.663D+02 TOT AMT SPILLED 0.199D+03

NUMBER OF SPILLS 3

MATERIAL CODE VZ480000 MATERIAL NAME SODIUM CHLORITE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.227D+04	0	0.249D+05	0
0.453D+04	0	0.272D+05	0
0.680D+04	0	0.295D+05	0
0.907D+04	0	0.317D+05	0
0.113D+05	0	0.340D+05	0
0.136D+05	0	0.363D+05	0
0.159D+05	0	0.385D+05	0
0.181D+05	0	0.408D+05	0
0.204D+05	0	0.431D+05	0
0.227D+05	0	0.453D+05	1

LARGEST SPILL (KGRAMS) 0.453D+05 SMALLEST SPILL (KGRAMS) 0.453D+05 AVE SPILL 0.453D+05 TOT AMT SPILLED 0.453D+05

LARGEST HAZARD POTEN. 0.293D+01 SMALLEST HAZARD POTEN. 0.293D+01 AVE HZ. PT. 0.293D+01 TOT HAZARD PT. 0.293D+01

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.94CD+02	0	0.104D+04	0
0.189D+03	0	0.114D+04	0
0.284D+03	0	0.123D+04	0
0.378D+03	0	0.132D+04	0
0.473D+03	0	0.142D+04	0
0.568D+03	0	0.151D+04	0
0.662D+03	0	0.161D+04	0
0.757D+03	0	0.170D+04	0
0.851D+03	0	0.180D+04	0
0.946D+03	0	0.189D+04	1

LARGEST SPILL (LITERS) 0.189D+04 SMALLEST SPILL (LITERS) 0.189D+04 AVE SPILL 0.189D+04 TOT AMT SPILLED 0.189D+04

NUMBER OF SPILLS 1

MATERIAL CODE VZ752500 MATERIAL NAME SODIUM CYANIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.499D+02	4	0.549D+03	0
0.998D+02	0	0.599D+03	0
0.150D+03	0	0.649D+03	0
0.200D+03	0	0.699D+03	0
0.250D+03	0	0.748D+03	0
0.299D+03	0	0.798D+03	0
0.349D+03	0	0.848D+03	0
0.399D+03	0	0.898D+03	0
0.449D+03	0	0.948D+03	0
0.499D+03	0	0.999D+03	1

LARGEST SPILL (KGRAMS) 0.997D+03 SMALLEST SPILL (KGRAMS) 0.200D+01 AVE SPILL 0.203D+03 TOT AMT SPILLED 0.102D+04

LARGEST HAZARD POTEN. 0.161D+03 SMALLEST HAZARD POTEN. 0.324D+00 AVE HZ. PT. 0.328D+02 TOT HAZARD PT. 0.164D+03

NUMBER OF SPILLS 5

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	2	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.707D+02 TOT AMT SPILLED 0.212D+03

NUMBER OF SPILLS 3

MATERIAL CODE VZ753000 MATERIAL NAME SODIUM CYANIDE SOLUTION 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE WASTE MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.172D+04	0	0.189D+05	0
0.344D+04	0	0.207D+05	0
0.517D+04	0	0.224D+05	0
0.689D+04	0	0.241D+05	0
0.861D+04	0	0.258D+05	0
0.103D+05	0	0.275D+05	0
0.121D+05	0	0.293D+05	0
0.138D+05	0	0.310D+05	0
0.155D+05	0	0.327D+05	0
0.172D+05	0	0.344D+05	1

LARGEST SPILL (KGRAMS) 0.344D+05 SMALLEST SPILL (KGRAMS) 0.344D+05 AVE SPILL 0.344D+05 TOT AMT SPILLED 0.344D+05

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+06	12	0.416D+07	0
0.757D+06	0	0.454D+07	0
0.114D+07	1	0.492D+07	0
0.151D+07	2	0.530D+07	0
0.189D+07	1	0.568D+07	0
0.227D+07	0	0.605D+07	0
0.265D+07	0	0.643D+07	0
0.303D+07	0	0.681D+07	0
0.341D+07	0	0.719D+07	0
0.378D+07	1	0.757D+07	1

LARGEST SPILL (LITERS) 0.756D+07 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.965D+06 TOT AMT SPILLED 0.174D+08

NUMBER OF SPILLS 18

MATERIAL CODE WASTES MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.284D+04	0	0.312D+05	0
0.568D+04	0	0.341D+05	0
0.851D+04	0	0.369D+05	0
0.114D+05	0	0.397D+05	0
0.142D+05	0	0.426D+05	0
0.170D+05	0	0.454D+05	0
0.199D+05	0	0.482D+05	0
0.227D+05	0	0.511D+05	0
0.255D+05	0	0.539D+05	0
0.284D+05	0	0.568D+05	1

LARGEST SPILL (LITERS) 0.567D+05 SMALLEST SPILL (LITERS) 0.567D+05 AVE SPILL 0.567D+05 TOT AMT SPILLED 0.567D+05

NUMBER OF SPILLS 1

MATERIAL CODE W8035000 MATERIAL NAME SODIUM FLUORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.300D+00	0	0.330D+01	0
0.601D+00	0	0.360D+01	0
0.901D+00	0	0.390D+01	0
0.120D+01	0	0.420D+01	0
0.150D+01	0	0.450D+01	0
0.180D+01	0	0.480D+01	0
0.210D+01	0	0.511D+01	0
0.240D+01	0	0.541D+01	0
0.270D+01	0	0.571D+01	0
0.300D+01	0	0.601D+01	1

LARGEST SPILL (KGRAMS) 0.600D+01 SMALLEST SPILL (KGRAMS) 0.600D+01 AVE SPILL 0.600D+01 TOT AMT SPILLED 0.600D+01

LARGEST HAZARD POTEN. 0.324D-01 SMALLEST HAZARD POTEN. 0.324D-01 AVE HZ. PT. 0.324D-01 TOT HAZARD PT. 0.324D-01

NUMBER OF SPILLS 1

MATERIAL CODE WB490000 MATERIAL NAME SODIUM HYDROXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.215D+04	35	0.237D+05	0
0.430D+04	0	0.258D+05	0
0.646D+04	0	0.280D+05	0
0.861D+04	0	0.301D+05	0
0.108D+05	0	0.323D+05	0
0.129D+05	0	0.344D+05	0
0.151D+05	0	0.366D+05	1
0.172D+05	0	0.387D+05	0
0.194D+05	0	0.409D+05	0
0.215D+05	0	0.430D+05	1

LARGEST SPILL (KGRAMS) 0.430D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.229D+04 TOT AMT SPILLED 0.848D+05

LARGEST HAZARD POTEN. 0.835D+02 SMALLEST HAZARD POTEN. 0.194D-02 AVE HZ. PT. 0.445D+01 TOT HAZARD PT. 0.165D+03

NUMBER OF SPILLS 37

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.284D+05	95	0.312D+06	0
0.568D+05	0	0.341D+06	0
0.851D+05	1	0.369D+06	0
0.114D+06	0	0.397D+06	0
0.142D+06	0	0.426D+06	0
0.170D+06	0	0.454D+06	0
0.199D+06	0	0.482D+06	0
0.227D+06	0	0.511D+06	0
0.255D+06	0	0.539D+06	0
0.284D+06	0	0.568D+06	1

LARGEST SPILL (LITERS) 0.567D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.714D+04 TOT AMT SPILLED 0.693D+06

NUMBER OF SPILLS 97

MATERIAL CODE #B490500 MATERIAL NAME SODIUM HYDROXIDE LIQUID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	1	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	1	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.569D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.813D+02 TOT AMT SPILLED 0.244D+03

NUMBER OF SPILLS 3

MATERIAL CODE WC560000 MATERIAL NAME SODIUM NITRATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	1	0.248D+02	0
0.450D+01	1	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	0	0.315D+02	0
0.113D+02	0	0.333D+02	0
0.135D+02	1	0.360D+02	0
0.159D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	0	0.450D+02	2

LARGEST SPILL (KGRAMS) 0.450D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.216D+02 TOT AMT SPILLED 0.108D+03

LARGEST HAZARD POTEN. 0.109D+00 SMALLEST HAZARD POTEN. 0.243D-02 AVE HZ. PT. 0.523D-01 TOT HAZARD PT. 0.262D+00

NUMBER OF SPILLS 5

MATERIAL CODE WD345000 MATERIAL NAME SODIUM PEROXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.300D+00	0	0.330D+01	0
0.601D+00	0	0.360D+01	0
0.901D+00	0	0.390D+01	0
0.120D+01	0	0.420D+01	0
0.150D+01	0	0.450D+01	0
0.180D+01	0	0.480D+01	0
0.210D+01	0	0.511D+01	0
0.240D+01	0	0.541D+01	0
0.270D+01	0	0.571D+01	0
0.300D+01	0	0.601D+01	1

LARGEST SPILL (KGRAMS) 0.600D+01 SMALLEST SPILL (KGRAMS) 0.600D+01 AVE SPILL 0.600D+01 TOT AMT SPILLED 0.600D+01

LARGEST HAZARD POTEN. 0.728D-03 SMALLEST HAZARD POTEN. 0.728D-03 AVE HZ. PT. 0.728D-03 TOT HAZARD PT. 0.728D-03

NUMBER OF SPILLS 1

MATERIAL CODE WD577500 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.100D+00	0	0.110D+01	0
0.200D+00	0	0.120D+01	0
0.300D+00	0	0.130D+01	0
0.400D+00	0	0.140D+01	0
0.500D+00	0	0.150D+01	0
0.601D+00	0	0.160D+01	0
0.701D+00	0	0.170D+01	0
0.801D+00	0	0.180D+01	0
0.901D+00	0	0.190D+01	0
0.100D+01	0	0.200D+01	1

LARGEST SPILL (KGRAMS) 0.200D+01 SMALLEST SPILL (KGRAMS) 0.200D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE WE1G5000 MATERIAL NAME SODIUM SULFATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.681D+04	0	0.749D+05	0
0.136D+05	0	0.817D+05	0
0.204D+05	0	0.885D+05	0
0.272D+05	0	0.953D+05	0
0.340D+05	0	0.102D+06	0
0.408D+05	0	0.109D+06	0
0.476D+05	0	0.116D+06	0
0.545D+05	0	0.123D+06	0
0.613D+05	0	0.129D+06	0
0.681D+05	0	0.136D+06	1

LARGEST SPILL (KGRAMS) 0.136D+06 SMALLEST SPILL (KGRAMS) 0.136D+06 AVE SPILL 0.136D+06 TOT AMT SPILLED 0.136D+06

LARGEST HAZARD POTEN. 0.825D+01 SMALLEST HAZARD POTEN. 0.825D+01 AVE HZ. PT. 0.825D+01 TOT HAZARD PT. 0.825D+01

NUMBER OF SPILLS 1

MATERIAL CODE WE190000 MATERIAL NAME SODIUM SULFIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.450D+00	0	0.495D+01	0
0.901D+00	0	0.541D+01	0
0.135D+01	0	0.586D+01	0
0.180D+01	0	0.631D+01	0
0.225D+01	0	0.676D+01	0
0.270D+01	0	0.721D+01	0
0.315D+01	0	0.766D+01	0
0.360D+01	0	0.811D+01	0
0.405D+01	1	0.856D+01	0
0.450D+01	0	0.901D+01	1

LARGEST SPILL (KGRAMS) 0.900D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.650D+01 TOT AMT SPILLED 0.130D+02

LARGEST HAZARD POTEN. 0.194D-01 SMALLEST HAZARD POTEN. 0.863D-02 AVE HZ. PT. 0.140D-01 TOT HAZARD PT. 0.280D-01

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+02	1	0.622D+03	0
0.113D+03	0	0.679D+03	0
0.170D+03	0	0.735D+03	0
0.226D+03	1	0.792D+03	0
0.283D+03	0	0.848D+03	0
0.339D+03	0	0.905D+03	0
0.396D+03	0	0.961D+03	0
0.452D+03	0	0.102D+04	0
0.509D+03	0	0.107D+04	0
0.566D+03	0	0.113D+04	1

LARGEST SPILL (LITERS) 0.113D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.440D+03 TOT AMT SPILLED 0.132D+04

NUMBER OF SPILLS 3

MATERIAL CODE WK980000 MATERIAL NAME STRONTIUM (II) NITRATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.139D-03 SMALLEST HAZARD POTEN. 0.139D-03 AVE HZ. PT. 0.139D-03 TOT HAZARD PT. 0.139D-03

NUMBER OF SPILLS 1

MATERIAL CODE WL367500 MATERIAL NAME STYRENE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+03	12	0.831D+04	0
0.151D+04	3	0.907D+04	0
0.227D+04	0	0.982D+04	0
0.302D+04	1	0.106D+05	0
0.378D+04	0	0.113D+05	1
0.453D+04	0	0.121D+05	0
0.529D+04	1	0.128D+05	1
0.605D+04	0	0.136D+05	0
0.680D+04	0	0.144D+05	0
0.756D+04	0	0.151D+05	1

LARGEST SPILL (LITERS) 0.151D+05 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.260D+04 TOT AMT SPILLED 0.519D+05

NUMBER OF SPILLS 20

MATERIAL CODE WL525000 MATERIAL NAME STYRENE,ALPHA-METHYL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.177D+04	0	0.194D+05	0
0.353D+04	0	0.212D+05	0
0.530D+04	0	0.230D+05	0
0.707D+04	0	0.247D+05	0
0.883D+04	0	0.265D+05	0
0.106D+05	0	0.283D+05	0
0.124D+05	0	0.300D+05	0
0.141D+05	0	0.318D+05	0
0.159D+05	0	0.336D+05	0
0.177D+05	0	0.353D+05	1

LARGEST SPILL (KGRAMS) 0.353D+05 SMALLEST SPILL (KGRAMS) 0.353D+05 AVE SPILL 0.353D+05 TOT AMT SPILLED 0.353D+05

LARGEST HAZARD POTEN. 0.699D+01 SMALLEST HAZARD POTEN. 0.699D+01 AVE HZ. PT. 0.699D+01 TOT HAZARD PT. 0.699D+01

NUMBER OF SPILLS 1

MATERIAL CODE WM840000 MATERIAL NAME SUCCINIC ACID MERCAPTO DETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	6	0.104D+03	0
0.189D+02	3	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	2

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.401D+02 TOT AMT SPILLED 0.441D+03

NUMBER OF SPILLS 11

MATERIAL CODE WR710000 MATERIAL NAME SULFONIC ACID ALKENE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.367D+02	1	0.404D+03	0
0.735D+02	2	0.441D+03	0
0.110D+03	0	0.478D+03	0
0.147D+03	0	0.514D+03	0
0.184D+03	0	0.551D+03	0
0.220D+03	0	0.588D+03	0
0.257D+03	0	0.625D+03	0
0.294D+03	0	0.661D+03	0
0.331D+03	0	0.698D+03	0
0.367D+03	0	0.735D+03	1

LARGEST SPILL (LITERS) 0.734D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.207D+03 TOT AMT SPILLED 0.828D+03

NUMBER OF SPILLS 4

MATERIAL CODE WS425000 MATERIAL NAME SULFUR 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.681D+03	0	0.749D+04	0
0.136D+04	0	0.817D+04	0
0.204D+04	0	0.885D+04	0
0.272D+04	0	0.953D+04	0
0.340D+04	0	0.102D+05	0
0.408D+04	0	0.109D+05	0
0.476D+04	0	0.116D+05	0
0.545D+04	0	0.123D+05	0
0.613D+04	0	0.129D+05	0
0.681D+04	0	0.136D+05	1

LARGEST SPILL (KGRAMS) 0.136D+05 SMALLEST SPILL (KGRAMS) 0.136D+05 AVE SPILL 0.136D+05 TOT AMT SPILLED 0.136D+05

LARGEST HAZARD POTEN. 0.880D+00 SMALLEST HAZARD POTEN. 0.880D+00 AVE HZ. PT. 0.880D+00 TOT. HAZARD PT. 0.880D+00

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.322D+03	0	0.354D+04	0
0.644D+03	0	0.386D+04	0
0.965D+03	0	0.418D+04	0
0.129D+04	0	0.451D+04	0
0.161D+04	0	0.483D+04	0
0.193D+04	0	0.515D+04	0
0.225D+04	0	0.547D+04	0
0.257D+04	0	0.579D+04	0
0.290D+04	0	0.611D+04	0
0.322D+04	0	0.644D+04	1

LARGEST SPILL (LITERS) 0.643D+04 SMALLEST SPILL (LITERS) 0.643D+04 AVE SPILL 0.643D+04 TOT AMT SPILLED 0.643D+04

NUMBER OF SPILLS 1

MATERIAL CODE WS430000 MATERIAL NAME SULFUR CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	0	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.750D+02 AVE SPILL 0.750D+02 TOT AMT SPILLED 0.750D+02

NUMBER OF SPILLS 1

MATERIAL CODE WS560000 MATERIAL NAME SULFURIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.816D+05	57	0.697D+06	0
0.163D+06	0	0.979D+06	0
0.245D+06	0	0.106D+07	0
0.326D+06	0	0.114D+07	0
0.408D+06	0	0.122D+07	0
0.489D+06	0	0.131D+07	0
0.571D+06	0	0.139D+07	0
0.653D+06	0	0.147D+07	0
0.734D+06	0	0.155D+07	0
0.816D+06	0	0.163D+07	1

LARGEST SPILL (KGRAMS) 0.163D+07 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.306D+05 TOT AMT SPILLED 0.177D+07

LARGEST HAZARD POTEN. 0.740D+03 SMALLEST HAZARD POTEN. 0.454D-03 AVE HZ. PT. 0.139D+02 TOT HAZARD PT. 0.805D+03

NUMBER OF SPILLS 58

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+05	376	0.416D+06	0
0.757D+05	2	0.454D+06	0
0.114D+06	1	0.492D+06	0
0.151D+06	0	0.530D+06	1
0.189D+06	0	0.568D+06	0
0.227D+06	0	0.605D+06	0
0.265D+06	0	0.643D+06	0
0.303D+06	0	0.681D+06	0
0.341D+06	0	0.719D+06	0
0.378D+06	0	0.757D+05	1

LARGEST SPILL (LITERS) 0.756D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.445D+04 TOT AMT SPILLED 0.170D+07

NUMBER OF SPILLS 381

MATERIAL CODE WS560500 MATERIAL NAME SULFURIC ACID FUMING 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	1	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.639D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	2

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.510D+02 TOT AMT SPILLED 0.153D+03

NUMBER OF SPILLS 3

MATERIAL CODE WT070000 MATERIAL NAME SULFURIC ACID MONODODECYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.341D+02	0	0.375D+03	0
0.682D+02	0	0.409D+03	0
0.102D+03	0	0.443D+03	0
0.136D+03	0	0.477D+03	0
0.170D+03	0	0.511D+03	0
0.205D+03	0	0.545D+03	0
0.239D+03	0	0.579D+03	0
0.273D+03	0	0.614D+03	0
0.307D+03	0	0.648D+03	0
0.341D+03	0	0.682D+03	2

LARGEST SPILL (LITERS) 0.681D+03 SMALLEST SPILL (LITERS) 0.681D+03 AVE SPILL 0.681D+03 TOT AMT SPILLED 0.136D+04

NUMBER OF SPILLS 2

MATERIAL CODE WT483000 MATERIAL NAME SULFUR TRIOXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.601D+00	0	0.260D+01	0
0.801D+00	0	0.280D+01	0
0.100D+01	0	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.400D+01

LARGEST HAZARD POTEN. 0.388D-02 SMALLEST HAZARD POTEN. 0.388D-02 AVE HZ. PT. 0.388D-02 TOT. HAZARD PT. 0.388D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.151D+04	0	0.166D+05	0
0.302D+04	0	0.181D+05	0
0.453D+04	0	0.196D+05	0
0.605D+04	0	0.212D+05	0
0.756D+04	0	0.227D+05	0
0.907D+04	0	0.242D+05	0
0.106D+05	0	0.257D+05	0
0.121D+05	0	0.272D+05	0
0.136D+05	0	0.287D+05	0
0.151D+05	0	0.302D+05	1

LARGEST SPILL (LITERS) 0.302D+05 SMALLEST SPILL (LITERS) 0.302D+05 AVE SPILL 0.302D+05 TOT AMT SPILLED 0.302D+05

NUMBER OF SPILLS 1

MATERIAL CODE WT487000 MATERIAL NAME SULFURYL CHLORIDE 07-20-82

SPI. DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	0	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	0	0.143D+02	0
0.440D+01	0	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	0	0.187D+02	0
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	0	0.220D+02	1

LARGEST SPILL (LITERS) 0.220D+02 SMALLEST SPILL (LITERS) 0.220D+02 AVE SPILL 0.220D+02 TOT AMT SPILLED 0.220D+02

NUMBER OF SPILLS 1

MATERIAL CODE WU580000 MATERIAL NAME SUTAN PLUS 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE WZ150000 MATERIAL NAME TEREPHTALIC ACID TETRACHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE XF990000 MATERIAL NAME 1,3,5,7-TETROXOCANE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.154D-02 SMALLEST HAZARD POTEN. 0.154D-02 AVE HZ. PT. 0.154D-02 TOT HAZARD PT. 0.154D-02

NUMBER OF SPILLS 1

MATERIAL CODE XK840000 MATERIAL NAME THIOCYANIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.340D+01	0	0.374D+02	0
0.681D+01	0	0.408D+02	0
0.102D+02	0	0.442D+02	0
0.136D+02	0	0.476D+02	0
0.170D+02	0	0.511D+02	0
0.204D+02	0	0.545D+02	0
0.238D+02	0	0.579D+02	0
0.272D+02	0	0.613D+02	0
0.306D+02	0	0.647D+02	0
0.340D+02	0	0.681D+02	1

LARGEST SPILL (KGRAMS)	0.680D+02	SMALLEST SPILL (KGRAMS)	0.680D+02	AVE SPILL	0.680D+02	TOT AMT SPILLED	0.680D+02
LARGEST HAZARD POTEN.	0.734D+00	SMALLEST HAZARD POTEN.	0.734D+00	AVE HZ. PT.	0.734D+00	TOT HAZARD PT.	0.734D+00

NUMBER OF SPILLS 1

MATERIAL CODE XM515000 MATERIAL NAME THIONYL CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.113D+03	3	0.124D+04	0
0.226D+03	0	0.136D+04	0
0.339D+03	0	0.147D+04	0
0.452D+03	0	0.158D+04	0
0.566D+03	0	0.170D+04	0
0.679D+03	0	0.181D+04	0
0.792D+03	0	0.192D+04	0
0.905D+03	0	0.204D+04	0
0.102D+04	0	0.215D+04	0
0.113D+04	0	0.226D+04	1

LARGEST SPILL (KGRAMS) 0.226D+04 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.566D+03 TOT AMT SPILLED 0.226D+04

LARGEST HAZARD POTEN. 0.137D+00 SMALLEST HAZARD POTEN. 0.607D-04 AVE HZ. PT. 0.343D-01 TOT. HAZARD PT. 0.137D+00

NUMBER OF SPILLS 4

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	2	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	1	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	2

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.348D+02 TOT AMT SPILLED 0.174D+03

NUMBER OF SPILLS 5

MATERIAL CODE XP875000 MATERIAL NAME TIN CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.113D+02	0	0.124D+03	0
0.226D+02	0	0.136D+03	0
0.339D+02	1	0.147D+03	0
0.452D+02	0	0.158D+03	0
0.565D+02	0	0.170D+03	0
0.679D+02	0	0.181D+03	0
0.792D+02	0	0.192D+03	0
0.905D+02	0	0.204D+03	0
0.102D+03	0	0.215D+03	0
0.113D+03	0	0.226D+03	1

LARGEST SPILL (KGRAMS) 0.226D+03 SMALLEST SPILL (KGRAMS) 0.270D+02 AVE SPILL 0.127D+03 TOT AMT SPILLED 0.253D+03

LARGEST HAZARD POTEN. 0.137D-01 SMALLEST HAZARD POTEN. 0.164D-02 AVE HZ. PT. 0.767D-02 TOT HAZARD PT. 0.153D-01

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	1	0.661D+01	0
0.165D+01	0	0.716D+01	1
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	3	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.467D+01 TOT AMT SPILLED 0.280D+02

NUMBER OF SPILLS 6

MATERIAL CODE XR192500 MATERIAL NAME TITANIUM CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	2

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.378D+03

NUMBER OF SPILLS 2

MATERIAL CODE XR195000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE XS455000 MATERIAL NAME P-TOLUAMIDE,N-ISOPROPLY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+01	0	0.831D+02	0
0.151D+02	0	0.907D+02	0
0.227D+02	0	0.982D+02	0
0.302D+02	0	0.106D+03	0
0.378D+02	0	0.113D+03	0
0.453D+02	0	0.121D+03	0
0.529D+02	0	0.128D+03	0
0.605D+02	0	0.136D+03	0
0.680D+02	0	0.144D+03	0
0.756D+02	0	0.151D+03	1

LARGEST SPILL (LITERS) 0.151D+03 SMALLEST SPILL (LITERS) 0.151D+03 AVE SPILL 0.151D+03 TOT AMT SPILLED 0.151D+03

NUMBER OF SPILLS 1

MATERIAL CODE XS525000 MATERIAL NAME TOLUENE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.771D+02	0	0.848D+03	0
0.154D+03	0	0.925D+03	0
0.231D+03	0	0.100D+04	0
0.308D+03	0	0.108D+04	0
0.385D+03	0	0.116D+04	0
0.462D+03	0	0.123D+04	0
0.540D+03	0	0.131D+04	0
0.617D+03	0	0.139D+04	0
0.694D+03	0	0.146D+04	0
0.771D+03	0	0.154D+04	1

LARGEST SPILL (KGRAMS) 0.154D+04 SMALLEST SPILL (KGRAMS) 0.154D+04 AVE SPILL 0.154D+04 TOT AMT SPILLED 0.154D+04

LARGEST HAZARD POTEN. 0.299D+00 SMALLEST HAZARD POTEN. 0.299D+00 AVE HZ. PT. 0.299D+00 TOT HAZARD PT. 0.299D+00

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+05	34	0.416D+06	0
0.757D+05	0	0.454D+06	0
0.114D+06	0	0.492D+06	0
0.151D+06	0	0.530D+06	0
0.189D+06	0	0.568D+06	0
0.227D+06	0	0.605D+06	0
0.265D+06	0	0.643D+06	0
0.303D+06	0	0.681D+06	0
0.341D+06	0	0.719D+06	0
0.378D+06	0	0.757D+06	1

LARGEST SPILL (LITERS) 0.756D+06 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.226D+05 TOT AMT SPILLED 0.791D+06

NUMBER OF SPILLS 35

MATERIAL CODE XS892500 MATERIAL NAME TOLUENE CHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	1	0.115D+03	0
0.208D+02	1	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.757D+02 TOT AMT SPILLED 0.227D+03

NUMBER OF SPILLS 3

MATERIAL CODE XT627500 MATERIAL NAME TOLUENESULFONIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.981D+01	0	0.108D+03	0
0.196D+02	0	0.118D+03	0
0.294D+02	0	0.128D+03	0
0.392D+02	0	0.137D+03	0
0.490D+02	0	0.147D+03	0
0.589D+02	0	0.157D+03	0
0.687D+02	0	0.167D+03	0
0.785D+02	0	0.177D+03	0
0.883D+02	0	0.186D+03	0
0.981D+02	0	0.196D+03	1

LARGEST SPILL (LITERS) 0.196D+03 SMALLEST SPILL (LITERS) 0.196D+03 AVE SPILL 0.196D+03 TOT AMT SPILLED 0.196D+03

NUMBER OF SPILLS 1

MATERIAL CODE XT630000 MATERIAL NAME P-TOLUENESULFONIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	0	0.248D+02	0
0.450D+01	0	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	0	0.315D+02	0
0.113D+02	0	0.338D+02	0
0.135D+02	0	0.360D+02	0
0.158D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	0	0.450D+02	1

LARGEST SPILL (KGRAMS) 0.450D+02 SMALLEST SPILL (KGRAMS) 0.450D+02 AVE SPILL 0.450D+02 TOT AMT SPILLED 0.450D+02

LARGEST HAZARD POTEN. 0.176D-01 SMALLEST HAZARD POTEN. 0.176D-01 AVE HZ. PT. 0.176D-01 TOT HAZARD PT. 0.176D-01

NUMBER OF SPILLS 1

MATERIAL CODE XU017500 MATERIAL NAME TOLUENE,2,4,6 TRINITRO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.681D+01	0	0.749D+02	0
0.136D+02	0	0.817D+02	0
0.204D+02	0	0.885D+02	0
0.272D+02	0	0.953D+02	0
0.340D+02	0	0.102D+03	0
0.408D+02	0	0.109D+03	0
0.476D+02	0	0.116D+03	0
0.545D+02	0	0.123D+03	0
0.613D+02	0	0.129D+03	0
0.681D+02	0	0.136D+03	1

LARGEST SPILL (LITERS) 0.136D+03 SMALLEST SPILL (LITERS) 0.136D+03 AVE SPILL 0.136D+03 TOT AMT SPILLED 0.136D+03

NUMBER OF SPILLS 1

MATERIAL CODE XU280000 MATERIAL NAME M-TOLUIDINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.751D+00	0	0.826D+01	0
0.150D+01	0	0.901D+01	0
0.225D+01	0	0.976D+01	0
0.300D+01	0	0.105D+02	0
0.375D+01	0	0.113D+02	0
0.450D+01	0	0.120D+02	0
0.526D+01	0	0.128D+02	0
0.601D+01	0	0.135D+02	0
0.676D+01	0	0.143D+02	0
0.751D+01	0	0.150D+02	1

LARGEST SPILL (LITERS) 0.150D+02 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.150D+02 TOT AMT SPILLED 0.150D+02

NUMBER OF SPILLS 1

MATERIAL CODE XU297500 MATERIAL NAME O-TOLUIDINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.360D+03	1	0.396D+04	0
0.720D+03	0	0.432D+04	0
0.108D+04	0	0.468D+04	0
0.144D+04	0	0.504D+04	0
0.180D+04	0	0.540D+04	0
0.216D+04	0	0.576D+04	0
0.252D+04	0	0.612D+04	0
0.288D+04	0	0.648D+04	0
0.324D+04	0	0.684D+04	0
0.360D+04	0	0.720D+04	1

LARGEST SPILL (LITERS) 0.719D+04 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.360D+04 TOT AMT SPILLED 0.721D+04

NUMBER OF SPILLS 2

MATERIAL CODE XU350000 MATERIAL NAME TOLUIDINE ANTIMONYL TARTRATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE XU516000 MATERIAL NAME P-TOLUIDINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE XU570500 MATERIAL NAME P-TOLUIDINE (CLYCLOPROPYLMETHYL) 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE XU927500 MATERIAL NAME TOLUIDINE TRIFLUORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.470D+01	0	0.518D+02	0
0.941D+01	0	0.565D+02	0
0.141D+02	0	0.612D+02	0
0.188D+02	0	0.659D+02	0
0.235D+02	0	0.706D+02	0
0.282D+02	0	0.753D+02	0
0.329D+02	0	0.800D+02	0
0.376D+02	0	0.847D+02	0
0.423D+02	0	0.894D+02	0
0.470D+02	0	0.941D+02	1

LARGEST SPILL (LITERS) 0.940D+02 SMALLEST SPILL (LITERS) 0.940D+02 AVE SPILL 0.940D+02 TOT AMT SPILLED 0.940D+02

NUMBER OF SPILLS 1

MATERIAL CODE XW525000 MATERIAL NAME TOXAPHENE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.450D+01	0	0.495D+02	0
0.901D+01	0	0.541D+02	0
0.135D+02	0	0.586D+02	0
0.180D+02	0	0.631D+02	0
0.225D+02	0	0.676D+02	0
0.270D+02	0	0.721D+02	0
0.315D+02	0	0.766D+02	0
0.360D+02	0	0.811D+02	0
0.405D+02	0	0.856D+02	0
0.450D+02	0	0.901D+02	1

LARGEST SPILL (KGRAMS) 0.900D+02 SMALLEST SPILL (KGRAMS) 0.900D+02 AVE SPILL 0.900D+02 TOT AMT SPILLED 0.900D+02

LARGEST HAZARD POTEN. 0.218D+01 SMALLEST HAZARD POTEN. 0.218D+01 AVE HZ. PI 0.218D+01 TOT HAZARD PI 0.218D+01

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	1	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	2	0.563D+02	0
0.225D+02	1	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.272D+02 TOT AMT SPILLED 0.136D+03

NUMBER OF SPILLS 5

MATERIAL CODE XY420000 MATERIAL NAME TRAZINE 2,4 BIS 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+00	0	0.385D+01	0
0.701D+00	0	0.420D+01	0
0.105D+01	0	0.455D+01	0
0.140D+01	0	0.490D+01	0
0.175D+01	0	0.526D+01	0
0.210D+01	0	0.561D+01	0
0.245D+01	0	0.596D+01	0
0.280D+01	0	0.631D+01	0
0.315D+01	0	0.666D+01	0
0.350D+01	0	0.701D+01	1

LARGEST SPILL (LITERS) 0.700D+01 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.700D+01 TOT AMT SPILLED 0.700D+01

NUMBER OF SPILLS 1

MATERIAL CODE XY560000 MATERIAL NAME TRIAZINE 2-CHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE XZ192500 MATERIAL NAME S-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE YE017500 MATERIAL NAME TRIETHYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE YE665000 MATERIAL NAME TRIETHYLENETETRAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+01	2	0.831D+02	0
0.151D+02	0	0.907D+02	0
0.227D+02	0	0.982D+02	0
0.302D+02	0	0.106D+03	0
0.378D+02	0	0.113D+03	0
0.453D+02	0	0.121D+03	0
0.529D+02	0	0.128D+03	0
0.605D+02	0	0.136D+03	0
0.680D+02	0	0.144D+03	0
0.756D+02	0	0.151D+03	1

LARGEST SPILL (LITERS) 0.151D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.517D+02 TOT AMT SPILLED 0.155D+03

NUMBER OF SPILLS 3

MATERIAL CODE YH223000 MATERIAL NAME TRIMETHYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.185D+01	0	0.204D+02	0
0.370D+01	0	0.222D+02	0
0.556D+01	0	0.241D+02	0
0.741D+01	0	0.259D+02	0
0.926D+01	0	0.278D+02	0
0.111D+02	0	0.296D+02	0
0.130D+02	0	0.315D+02	0
0.148D+02	0	0.333D+02	0
0.167D+02	0	0.352D+02	0
0.185D+02	0	0.370D+02	1

LARGEST SPILL (LITERS) 0.370D+02 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.370D+02 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 1

MATERIAL CODE YK630000 MATERIAL NAME TRIPROPYLAMINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.189D+03

NUMBER OF SPILLS 1

MATERIAL CODE YO717500 MATERIAL NAME TUNGSTEN 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.100D+00	0	0.110D+01	0
0.200D+00	0	0.120D+01	0
0.300D+00	0	0.130D+01	0
0.400D+00	0	0.140D+01	0
0.500D+00	0	0.150D+01	0
0.601D+00	0	0.160D+01	0
0.701D+00	0	0.170D+01	0
0.801D+00	0	0.180D+01	0
0.901D+00	0	0.190D+01	0
0.100D+01	0	0.200D+01	1

LARGEST SPILL (KGRAMS) 0.200D+01 SMALLEST SPILL (KGRAMS) 0.200D+01 AVE SPILL 0.200D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.243D-03 SMALLEST HAZARD POTEN. 0.243D-03 AVE HZ. PT. 0.243D-03 TOT HAZARD PT. 0.243D-03

NUMBER OF SPILLS 1

MATERIAL CODE YR472000 MATERIAL NAME URANIUM FLUORIDE FISSLE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.476D+02	0	0.524D+03	0
0.953D+02	0	0.572D+03	0
0.143D+03	0	0.619D+03	0
0.191D+03	0	0.667D+03	0
0.238D+03	0	0.715D+03	0
0.286D+03	0	0.762D+03	0
0.334D+03	0	0.810D+03	0
0.381D+03	0	0.858D+03	0
0.429D+03	0	0.905D+03	0
0.476D+03	0	0.953D+03	1

LARGEST SPILL (KGRAMS) 0.952D+03 SMALLEST SPILL (KGRAMS) 0.952D+03 AVE SPILL 0.952D+03 TOT AMT SPILLED 0.952D+03

LARGEST HAZARD POTEN. 0.185D+01 SMALLEST HAZARD POTEN. 0.185D+01 AVE HZ. PT. 0.185D+01 TOT HAZARD PT. 0.185D+01

NUMBER OF SPILLS 1

MATERIAL CODE YR625000 MATERIAL NAME UREA 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.208D+04	0	0.229D+05	0
0.416D+04	0	0.250D+05	0
0.625D+04	0	0.271D+05	0
0.833D+04	0	0.291D+05	0
0.104D+05	0	0.312D+05	0
0.125D+05	0	0.333D+05	0
0.146D+05	0	0.354D+05	0
0.167D+05	0	0.375D+05	0
0.187D+05	0	0.396D+05	0
0.208D+05	0	0.416D+05	1

LARGEST SPILL (LITERS) 0.416D+05 SMALLEST SPILL (LITERS) 0.416D+05 AVE SPILL 0.416D+05 TOT AMT SPILLED 0.416D+05

NUMBER OF SPILLS 1

MATERIAL CODE YT717500 MATERIAL NAME UREA METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+03	0	0.200D+04	0
0.378D+03	0	0.227D+04	0
0.568D+03	0	0.246D+04	0
0.757D+03	0	0.265D+04	0
0.946D+03	0	0.284D+04	0
0.114D+04	0	0.303D+04	0
0.132D+04	0	0.322D+04	0
0.151D+04	0	0.341D+04	0
0.170D+04	0	0.359D+04	0
0.189D+04	0	0.378D+04	1

LARGEST SPILL (LITERS) 0.378D+04 SMALLEST SPILL (LITERS) 0.378D+04 AVE SPILL 0.378D+04 TOT AMT SPILLED 0.378D+04

NUMBER OF SPILLS 1

MATERIAL CODE YV610000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE YZ806100 MATERIAL NAME VINYLIDENE CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.189D+03

NUMBER OF SPILLS 1

MATERIAL CODE ZE210000 MATERIAL NAME XYLENE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.226D-03 SMALLEST HAZARD POTEN. 0.226D-03 AVE HZ. PT. 0.226D-03 TOT HAZARD PT. 0.226D-03

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+02	13	0.622D+03	0
0.113D+03	4	0.679D+03	0
0.170D+03	0	0.735D+03	0
0.226D+03	3	0.792D+03	0
0.283D+03	0	0.848D+03	0
0.339D+03	1	0.905D+03	0
0.396D+03	1	0.961D+03	0
0.452D+03	0	0.102D+04	0
0.509D+03	0	0.107D+04	0
0.566D+03	0	0.113D+04	1

LARGEST SPILL (LITERS) 0.113D+04 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.125D+03 TOT AMT SPILLED 0.288D+04

NUMBER OF SPILLS 23

MATERIAL CODE ZE857500 MATERIAL NAME XYLIDINE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	0	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.110D+02 AVE SPILL 0.110D+02 TOT AMT SPILLED 0.110D+02

NUMBER OF SPILLS 1

MATERIAL CODE ZG860000 MATERIAL NAME ZINC 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.272D+02	0	0.299D+03	0
0.545D+02	0	0.327D+03	0
0.817D+02	0	0.354D+03	0
0.109D+03	0	0.381D+03	0
0.136D+03	0	0.408D+03	0
0.163D+03	0	0.436D+03	0
0.191D+03	0	0.463D+03	0
0.218D+03	0	0.490D+03	0
0.245D+03	0	0.517D+03	0
0.272D+03	0	0.545D+03	1

LARGEST SPILL (KGRAMS) 0.544D+03 SMALLEST SPILL (KGRAMS) 0.544D+03 AVE SPILL 0.544D+03 TOT AMT SPILLED 0.544D+03

LARGEST HAZARD POTEN. 0.528D+00 SMALLEST HAZARD POTEN. 0.528D+00 AVE HZ. PT. 0.528D+00 TOT HAZARD PT. 0.528D+00

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE ZH140000 MATERIAL NAME ZINC CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.616D+03	4	0.677D+04	0
0.123D+04	0	0.739D+04	0
0.185D+04	0	0.800D+04	0
0.246D+04	0	0.862D+04	0
0.308D+04	0	0.923D+04	0
0.369D+04	0	0.985D+04	0
0.431D+04	0	0.105D+05	0
0.492D+04	0	0.111D+05	0
0.554D+04	0	0.117D+05	0
0.616D+04	0	0.123D+05	1

LARGEST SPILL (LITERS) 0.123D+05 SMALLEST SPILL (LITERS) 0.700D+01 AVE SPILL 0.250D+04 TOT AMT SPILLED 0.125D+05

NUMBER OF SPILLS 5

MATERIAL CODE ZH157500 MATERIAL NAME ZINC CYANIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.100D+00	0	0.110D+01	0
0.200D+00	0	0.120D+01	0
0.300D+00	0	0.130D+01	0
0.400D+00	0	0.140D+01	0
0.500D+00	0	0.150D+01	0
0.601D+00	0	0.160D+01	0
0.701D+00	0	0.170D+01	0
0.801D+00	0	0.180D+01	0
0.901D+00	0	0.190D+01	0
0.100D+01	1	0.200D+01	1

LARGEST SPILL (KGRAMS) 0.200D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.150D+01 TOT AMT SPILLED 0.300D+01

LARGEST HAZARD POTEN. 0.971D-02 SMALLEST HAZARD POTEN. 0.485D-02 AVE HZ. PT. 0.728D-02 TOT HAZARD PT. 0.146D-01

NUMBER OF SPILLS 2

MATERIAL CODE ZH53C000 MATERIAL NAME ZINC SULPHATE HEPTAHYDRATE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+02	0	0.104D+04	0
0.189D+03	0	0.114D+04	0
0.284D+03	0	0.123D+04	0
0.378D+03	0	0.132D+04	0
0.473D+03	0	0.142D+04	0
0.566D+03	0	0.151D+04	0
0.662D+03	0	0.161D+04	0
0.757D+03	0	0.170D+04	0
0.851D+03	0	0.180D+04	0
0.946D+03	0	0.189D+04	1

LARGEST SPILL (LITERS) 0.189D+04 SMALLEST SPILL (LITERS) 0.189D+04 AVE SPILL 0.189D+04 TOT AMT SPILLED 0.189D+04

NUMBER OF SPILLS 1

MATERIAL CODE ZH770000 MATERIAL NAME ZIRCONIUM DICHLORODXO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.756D+01	0	0.831D+02	0
0.151D+02	0	0.907D+02	0
0.227D+02	0	0.982D+02	0
0.302D+02	0	0.106D+03	0
0.378D+02	0	0.113D+03	0
0.453D+02	0	0.121D+03	0
0.529D+02	0	0.128D+03	0
0.605D+02	0	0.136D+03	0
0.680D+02	0	0.144D+03	0
0.756D+02	0	0.151D+03	1

LARGEST SPILL (LITERS) 0.151D+03 SMALLEST SPILL (LITERS) 0.151D+03 AVE SPILL 0.151D+03 TOT AMT SPILLED 0.151D+03

NUMBER OF SPILLS 1

LARGEST VOLUME SPILL (CODE)	LARGEST KGS. SPILL (CODE)	LARGEST VOL. HZ. PT. (CODE)	LARGEST KGS. HZ. PT. (CODE)
0.378E+09 GY122500	0.181E+09 EV958000	0.325E+07 GY122500	0.879E+04 EV958000

REPORTED SPILLS 4216 # MATERIALS 518 # INVALID D-CODES 84 # ZERO-HZ-PT ENTERIES 85

END OF REPORT

MATERIAL CODE TD647300 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	1	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	1	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.933D+01 TOT AMT SPILLED 0.280D+02

NUMBER OF SPILLS 3

MATERIAL CODE TD927500 MATERIAL NAME PHOSPHOROQITHIOIC ACID DIETHYL ESTER 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	1	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	1	0.110D+02	1

LARGEST SPILL (KGRAMS) 0.110D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.567D+01 TOT AMT SPILLED 0.170D+02

LARGEST HAZARD POTEN. 0.356D+01 SMALLEST HAZARD POTEN. 0.324D+00 AVE HZ. PT. 0.183D+01 TOT HAZARD PT. 0.550D+01

NUMBER OF SPILLS 3

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	1	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.105D+02 TOT AMT SPILLED 0.210D+02

NUMBER OF SPILLS 2

MATERIAL CODE TD945000 MATERIAL NAME PHOSPHORODITHIOIC ACID THIMET 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	1	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	0	0.143D+02	0
0.440D+01	0	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	0	0.187D+02	0
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	0	0.220D+02	1

LARGEST SPILL (KGRAMS) 0.220D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.115D+02 TOT AMT SPILLED 0.230D+02

LARGEST HAZARD POTEN. 0.194D-01 SMALLEST HAZARD POTEN. 0.863D-03 AVE HZ. PT. 0.101D-01 TOT HAZARD PT. 0.203D-01

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	0	0.115D+03	0
0.208D+02	2	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	3

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.131D+03 TOT AMT SPILLED 0.657D+03

NUMBER OF SPILLS 5

MATERIAL CODE TE175000 MATERIAL NAME PHOSPHORODITHIOIC ACID O,O-DIMETHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	2

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.600D+01

NUMBER OF SPILLS 2

MATERIAL CODE TE192500 MATERIAL NAME PHOSPHORODITHIOIC ACID AZINIFOS-METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.450D+00	0	0.495D+01	0
0.901D+00	0	0.541D+01	0
0.135D+01	0	0.586D+01	0
0.180D+01	0	0.631D+01	0
0.225D+01	0	0.676D+01	0
0.270D+01	0	0.721D+01	0
0.315D+01	0	0.766D+01	0
0.360D+01	0	0.811D+01	0
0.405D+01	0	0.856D+01	0
0.450D+01	0	0.901D+01	1

LARGEST SPILL (LITERS) 0.900D+01 SMALLEST SPILL (LITERS) 0.900D+01 AVE SPILL 0.900D+01 TOT AMT SPILLED 0.900D+01

NUMBER OF SPILLS 1

MATERIAL CODE TE402500 MATERIAL NAME PHOSPHORODITHIOIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.[illegible]D+00	0	0.225D+01	0
0.[illegible]D+00	0	0.240D+01	0
0.[illegible]D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE TF385000 MATERIAL NAME PHOSPHOROTHIOIC DIETHYL PHENOL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	0	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.110D+02 AVE SPILL 0.110D+02 TOT AMT SPILLED 0.110D+02

NUMBER OF SPILLS 1

MATERIAL CODE TF455000 MATERIAL NAME PHOSPHOROTHIOIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.110D+01	3	0.121D+02	0
0.220D+01	0	0.132D+02	0
0.330D+01	0	0.143D+02	0
0.440D+01	0	0.154D+02	0
0.551D+01	0	0.165D+02	0
0.661D+01	0	0.176D+02	0
0.771D+01	0	0.187D+02	0
0.881D+01	0	0.198D+02	0
0.991D+01	0	0.209D+02	0
0.110D+02	0	0.220D+02	1

LARGEST SPILL (KGRAMS) 0.220D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.625D+01 TOT AMT SPILLED 0.250D+02

LARGEST HAZARD POTEN. 0.107D+02 SMALLEST HAZARD POTEN. 0.485D+00 AVE HZ. PT. 0.304D+01 TOT HAZARD PT. 0.122D+02

NUMBER OF SPILLS 4

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.280D+01	4	0.308D+02	0
0.561D+01	2	0.336D+02	0
0.841D+01	0	0.364D+02	0
0.112D+02	0	0.392D+02	1
0.140D+02	0	0.420D+02	0
0.168D+02	0	0.448D+02	0
0.196D+02	0	0.476D+02	0
0.224D+02	0	0.505D+02	0
0.252D+02	0	0.533D+02	0
0.280D+02	0	0.561D+02	1

LARGEST SPILL (LITERS) 0.560D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.129D+02 TOT AMT SPILLED 0.103D+03

NUMBER OF SPILLS 8

MATERIAL CODE TF492000 MATERIAL NAME PHOSPHOROTHIOIC ACID O-O-DIETHYL 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.971D-02 SMALLEST HAZARD POTEN. 0.971D-02 AVE HZ. PT. 0.971D-02 TOT HAZARD PT. 0.971D-02

NUMBER OF SPILLS 1

MATERIAL CODE TF630000 MATERIAL NAME PHOSPHOROTHIOIC ACID O-O DIETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.151D+03	0	0.166D+04	0
0.302D+03	0	0.181D+04	0
0.453D+03	0	0.196D+04	0
0.605D+03	0	0.212D+04	0
0.756D+03	0	0.227D+04	0
0.907D+03	0	0.242D+04	0
0.106D+04	0	0.257D+04	0
0.121D+04	0	0.272D+04	0
0.136D+04	0	0.287D+04	0
0.151D+04	0	0.302D+04	3

LARGEST SPILL (LITERS) 0.302D+04 SMALLEST SPILL (LITERS) 0.302D+04 AVE SPILL 0.302D+04 TOT AMT SPILLED 0.906D+04

NUMBER OF SPILLS 3

MATERIAL CODE TF822500 MATERIAL NAME PHOSPHOROTHIOIC DIMETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.550D+00	0	0.605D+01	0
0.110D+01	1	0.660D+01	0
0.165D+01	0	0.715D+01	0
0.220D+01	0	0.770D+01	0
0.275D+01	0	0.825D+01	0
0.330D+01	0	0.880D+01	0
0.385D+01	0	0.935D+01	0
0.440D+01	0	0.990D+01	0
0.495D+01	0	0.105D+02	0
0.550D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.600D+01 TOT AMT SPILLED 0.120D+02

NUMBER OF SPILLS 2

MATERIAL CODE TG017500 MATERIAL NAME PHOSPHOROTHIOIC ACID 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.900D+00	0	0.990D+01	0
0.180D+01	3	0.108D+02	0
0.270D+01	0	0.117D+02	2
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.540D+01	0	0.144D+02	0
0.630D+01	0	0.153D+02	1
0.720D+01	2	0.162D+02	0
0.810D+01	0	0.171D+02	0
0.900D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.800D+01 TOT AMT SPILLED 0.720D+02

NUMBER OF SPILLS 9

MATERIAL CODE TH140000 MATERIAL NAME PHOSPHOROUS ACID TRIMETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.208D+02	0	0.229D+03	0
0.416D+02	0	0.250D+03	0
0.625D+02	0	0.271D+03	0
0.833D+02	0	0.291D+03	0
0.104D+03	0	0.312D+03	0
0.125D+03	0	0.333D+03	0
0.146D+03	0	0.354D+03	0
0.167D+03	0	0.375D+03	0
0.187D+03	0	0.396D+03	0
0.208D+03	0	0.416D+03	1

LARGEST SPILL (LITERS) 0.416D+03 SMALLEST SPILL (LITERS) 0.416D+03 AVE SPILL 0.416D+03 TOT AMT SPILLED 0.416D+03

NUMBER OF SPILLS 1

MATERIAL CODE TH349500 MATERIAL NAME PHOSPHOROUS (RED) 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE TH367500 MATERIAL NAME PHOSPHOROUS CHLORIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+02	5	0.203D+03	0
0.378D+02	0	0.227D+03	0
0.568D+02	1	0.246D+03	0
0.757D+02	0	0.265D+03	0
0.946D+02	0	0.284D+03	0
0.114D+03	0	0.303D+03	0
0.132D+03	0	0.322D+03	0
0.151D+03	1	0.341D+03	0
0.170D+03	0	0.359D+03	0
0.189D+03	0	0.378D+03	1

LARGEST SPILL (LITERS) 0.378D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.766D+02 TOT AMT SPILLED 0.613D+03

NUMBER OF SPILLS 8

MATERIAL CODE TH394500 MATERIAL NAME PHOSPHOROUS OXIDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE TH437500 MATERIAL NAME PHOSPHORIC SULFIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.751D+00	0	0.826D+01	0
0.150D+01	0	0.901D+01	0
0.225D+01	0	0.976D+01	0
0.300D+01	0	0.105D+02	0
0.375D+01	0	0.113D+02	0
0.450D+01	0	0.120D+02	0
0.526D+01	0	0.128D+02	0
0.601D+01	0	0.135D+02	0
0.676D+01	0	0.143D+02	0
0.751D+01	0	0.150D+02	1

LARGEST SPILL (KGRAMS) 0.150D+02 SMALLEST SPILL (KGRAMS) 0.150D+02 AVE SPILL 0.150D+02 TOT AMT SPILLED 0.150D+02

LARGEST HAZARD POTEN. 0.374D-01 SMALLEST HAZARD POTEN. 0.374D-01 AVE HZ. PT. 0.374D-01 TOT HAZARD PT. 0.374D-01

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	0	0.115D+03	0
0.208D+02	0	0.125D+03	0
0.312D+02	0	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	0	0.167D+03	0
0.729D+02	0	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.208D+03 AVE SPILL 0.208D+03 TOT AMT SPILLED 0.208D+03

NUMBER OF SPILLS 1

MATERIAL CODE TH475000 MATERIAL NAME PHOSPHORYL BROMIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.300D+00	0	0.330D+01	0
0.601D+00	0	0.360D+01	0
0.901D+00	0	0.390D+01	0
0.120D+01	0	0.420D+01	0
0.150D+01	0	0.450D+01	0
0.180D+01	0	0.480D+01	0
0.210D+01	0	0.511D+01	0
0.240D+01	0	0.541D+01	0
0.270D+01	0	0.571D+01	0
0.300D+01	0	0.601D+01	1

LARGEST SPILL (KGRAMS) 0.600D+01 SMALLEST SPILL (KGRAMS) 0.600D+01 AVE SPILL 0.600D+01 TOT AMT SPILLED 0.600D+01

LARGEST HAZARD POTEN. 0.728D-02 SMALLEST HAZARD POTEN. 0.728D-02 AVE HZ. PT. 0.728D-02 TOT. HAZARD PT. 0.728D-02

NUMBER OF SPILLS 1

MATERIAL CODE TH489700 MATERIAL NAME PHOSPHORYL CHLORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.255D-02 SMALLEST HAZARD POTEN. 0.255D-02 AVE HZ. PT. 0.255D-02 TOT HAZARD PT. 0.255D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.94CD+01	5	0.104D+03	0
0.189D+02	1	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	1	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	1	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.373D+02 TOT AMT SPILLED 0.336D+03

NUMBER OF SPILLS 0

MATERIAL CODE TH577500 MATERIAL NAME PHOSPHOTUNGSTIC ACID SODIUM SALT 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE TH735000 MATERIAL NAME PHTHALAMIC ACID N-1-NAPHTHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE TI192500 MATERIAL NAME PHTHALIC ACID DIOCTYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.375D+01	0	0.413D+02	0
0.751D+01	0	0.450D+02	0
0.113D+02	0	0.488D+02	0
0.150D+02	0	0.526D+02	0
0.188D+02	0	0.563D+02	0
0.225D+02	0	0.601D+02	0
0.263D+02	0	0.638D+02	0
0.300D+02	0	0.676D+02	0
0.338D+02	0	0.713D+02	0
0.375D+02	0	0.751D+02	1

LARGEST SPILL (LITERS) 0.750D+02 SMALLEST SPILL (LITERS) 0.750D+02 AVE SPILL 0.750D+02 TOT AMT SPILLED 0.750D+02

NUMBER OF SPILLS 1

MATERIAL CODE TP090000 MATERIAL NAME PLASTICIZER G-316 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE TQ135000 MATERIAL NAME POLYCHLORINATED BIPHENYLS 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+05	24	0.416D+06	0
0.757D+05	0	0.454D+06	0
0.114D+06	0	0.492D+06	0
0.151D+06	0	0.530D+06	0
0.189D+06	0	0.568D+06	0
0.227D+06	0	0.605D+06	0
0.265D+06	0	0.643D+06	0
0.303D+06	0	0.681D+06	0
0.341D+06	0	0.719D+06	0
0.378D+06	0	0.757D+06	2

LARGEST SPILL (LITERS) 0.756D+06 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.583D+05 TOT AMT SPILLED 0.152D+07

NUMBER OF SPILLS 26

MATERIAL CODE TQ269000 MATERIAL NAME POLYDIMETHYL SILOXANE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.300D+01	0	0.330D+02	0
0.601D+01	0	0.360D+02	0
0.901D+01	0	0.390D+02	0
0.120D+02	0	0.420D+02	0
0.150D+02	0	0.450D+02	0
0.180D+02	0	0.480D+02	0
0.210D+02	0	0.511D+02	0
0.240D+02	0	0.541D+02	0
0.270D+02	0	0.571D+02	0
0.300D+02	0	0.601D+02	1

LARGEST SPILL (LITERS) 0.600D+02 SMALLEST SPILL (LITERS) 0.600D+02 AVE SPILL 0.600D+02 TOT AMT SPILLED 0.600D+02

NUMBER OF SPILLS 1

MATERIAL CODE TRIAZINE MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE TR030000 MATERIAL NAME POLYMER X-150 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.751D+00	0	0.826D+01	0
0.150D+01	0	0.901D+01	0
0.225D+01	0	0.976D+01	0
0.300D+01	0	0.105D+02	0
0.375D+01	0	0.113D+02	0
0.450D+01	0	0.120D+02	0
0.526D+01	0	0.128D+02	0
0.601D+01	0	0.135D+02	0
0.676D+01	0	0.143D+02	0
0.751D+01	0	0.150D+02	1

LARGEST SPILL (LITERS) 0.150D+02 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.150D+02 TOT AMT SPILLED 0.150D+02

NUMBER OF SPILLS 1

MATERIAL CODE TR790000 MATERIAL NAME POLYURETHANE PLASTIC 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.751D+00	0	0.826D+01	0
0.150D+01	0	0.901D+01	0
0.225D+01	0	0.976D+01	0
0.300D+01	0	0.105D+02	0
0.375D+01	0	0.113D+02	0
0.450D+01	0	0.120D+02	0
0.526D+01	0	0.128D+02	0
0.601D+01	0	0.135D+02	0
0.676D+01	0	0.143D+02	0
0.751D+01	0	0.150D+02	1

LARGEST SPILL (LITERS) 0.150D+02 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.150D+02 TOT AMT SPILLED 0.150D+02

NUMBER OF SPILLS 1

MATERIAL CODE TS775000 MATERIAL NAME POTASSIUM CARBONATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.159D+02	0	0.175D+03	0
0.317D+02	1	0.190D+03	1
0.476D+02	0	0.206D+03	0
0.635D+02	0	0.222D+03	0
0.793D+02	0	0.238D+03	0
0.952D+02	0	0.254D+03	0
0.111D+03	1	0.270D+03	0
0.127D+03	0	0.286D+03	0
0.143D+03	0	0.301D+03	0
0.159D+03	0	0.317D+03	1

LARGEST SPILL (KGRAMS) 0.317D+03 SMALLEST SPILL (KGRAMS) 0.220D+02 AVE SPILL 0.155D+03 TOT AMT SPILLED 0.619D+03

LARGEST HAZARD POTEN. 0.165D+00 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.776D-01 TOT HAZARD PT. 0.310D+00

NUMBER OF SPILLS 4

MATERIAL CODE TS875000 MATERIAL NAME POTASSIUM CYANIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.601D+00	0	0.260D+01	0
0.801D+00	0	0.280D+01	0
0.100D+01	1	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.250D+01 TOT AMT SPILLED 0.500D+01

LARGEST HAZARD POTEN. 0.388D+00 SMALLEST HAZARD POTEN. 0.971D-01 AVE HZ. PT. 0.243D+00 TOT HAZARD PT. 0.485D+00

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE TS876000 MATERIAL NAME POTASSIUM CYANIDE (SOLID) 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	2

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.200D+01

NUMBER OF SPILLS 2

MATERIAL CODE TT070000 MATERIAL NAME POTASSIUM FLUORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

LARGEST HAZARD POTEN. 0.396D-02 SMALLEST HAZARD POTEN. 0.396D-02 AVE HZ. PT. 0.396D-02 TOT HAZARD PT. 0.396D-02

NUMBER OF SPILLS 1

MATERIAL CODE TT210000 MATERIAL NAME POTASSIUM HYDROXIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.392D+04	6	0.432D+05	0
0.785D+04	0	0.471D+05	0
0.118D+05	0	0.510D+05	0
0.157D+05	0	0.549D+05	0
0.196D+05	0	0.589D+05	0
0.235D+05	0	0.628D+05	0
0.275D+05	0	0.667D+05	0
0.314D+05	0	0.706D+05	0
0.353D+05	0	0.746D+05	0
0.392D+05	0	0.785D+05	1

LARGEST SPILL (KGRAMS) 0.784D+05 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.114D+05 TOT AMT SPILLED 0.799D+05

LARGEST HAZARD POTEN. 0.209D+03 SMALLEST HAZARD POTEN. 0.266D-02 AVE HZ. PT. 0.304D+02 TOT HAZARD PT. 0.213D+03

NUMBER OF SPILLS 7

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+04	26	0.208D+05	0
0.378D+04	1	0.227D+05	0
0.568D+04	1	0.246D+05	0
0.757D+04	0	0.265D+05	0
0.946D+04	0	0.284D+05	0
0.114D+05	1	0.303D+05	0
0.132D+05	0	0.322D+05	0
0.151D+05	0	0.341D+05	0
0.170D+05	0	0.359D+05	0
0.189D+05	0	0.378D+05	1

LARGEST SPILL (LITERS) 0.378D+05 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.197D+04 TOT AMT SPILLED 0.591D+05

NUMBER OF SPILLS 30

MATERIAL CODE TT282500 MATERIAL NAME POTASSIUM HYPOCHLORITE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	1	0.248D+02	0
0.450D+01	0	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	0	0.315D+02	0
0.113D+02	0	0.338D+02	0
0.135D+02	0	0.360D+02	0
0.158D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	0	0.450D+02	1

LARGEST SPILL (KGRAMS) 0.450D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.230D+02 TOT AMT SPILLED 0.460D+02

LARGEST HAZARD POTEN. 0.728D-02 SMALLEST HAZARD POTEN. 0.162D-03 AVE HZ. PT. 0.372D-02 TOT HAZARD PT. 0.744D-02

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.104D+02	21	0.115D+03	1
0.208D+02	1	0.125D+03	0
0.312D+02	1	0.135D+03	0
0.416D+02	0	0.146D+03	0
0.521D+02	0	0.156D+03	0
0.625D+02	1	0.167D+03	1
0.729D+02	1	0.177D+03	0
0.833D+02	0	0.187D+03	0
0.937D+02	0	0.198D+03	0
0.104D+03	0	0.208D+03	1

LARGEST SPILL (LITERS) 0.208D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.248D+02 TOT AMT SPILLED 0.695D+03

NUMBER OF SPILLS 28

MATERIAL CODE TT370000 MATERIAL NAME POTASSIUM NITRATE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.340D+01	2	0.374D+02	0
0.681D+01	1	0.408D+02	0
0.102D+02	1	0.442D+02	0
0.136D+02	0	0.476D+02	0
0.170D+02	0	0.511D+02	0
0.204D+02	0	0.545D+02	0
0.238D+02	0	0.579D+02	0
0.272D+02	0	0.613D+02	0
0.306D+02	0	0.647D+02	0
0.340D+02	0	0.681D+02	1

LARGEST SPILL (KGRAMS) 0.680D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.168D+02 TOT AMT SPILLED 0.840D+02

LARGEST HAZARD POTEN. 0.165D-01 SMALLEST HAZARD POTEN. 0.243D-03 AVE HZ. PT. 0.408D-02 TOT. HAZARD PT. 0.204D-01

NUMBER OF SPILLS 5

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.661D+01	0	0.727D+02	0
0.132D+02	0	0.793D+02	0
0.198D+02	0	0.859D+02	0
0.264D+02	0	0.925D+02	0
0.330D+02	0	0.991D+02	0
0.396D+02	0	0.106D+03	0
0.462D+02	0	0.112D+03	0
0.529D+02	0	0.119D+03	0
0.595D+02	0	0.126D+03	0
0.661D+02	0	0.132D+03	2

LARGEST SPILL (LITERS) 0.132D+03 SMALLEST SPILL (LITERS) 0.132D+03 AVE SPILL 0.132D+03 TOT AMT SPILLED 0.264D+03

NUMBER OF SPILLS 2

MATERIAL CODE TT560000 MATERIAL NAME POTASSIUM SILICOFLUORIDE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	2

LARGEST SPILL (KGRAMS) 0.100D+01 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.200D+01

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT HAZARD PT. 0.0

NUMBER OF SPILLS 2

MATERIAL CODE TX227500 MATERIAL NAME PROPANE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.172D+05	1	0.189D+06	0
0.344D+05	0	0.207D+06	0
0.517D+05	0	0.224D+06	0
0.689D+05	0	0.241D+06	0
0.861D+05	0	0.258D+06	0
0.103D+06	0	0.275D+06	0
0.121D+06	0	0.293D+06	0
0.138D+06	0	0.310D+06	0
0.155D+06	0	0.327D+06	0
0.172D+06	0	0.344D+06	1

LARGEST SPILL (LITERS) 0.344D+06 SMALLEST SPILL (LITERS) 0.940D+02 AVE SPILL 0.172D+06 TOT AMT SPILLED 0.344D+06

NUMBER OF SPILLS 2

MATERIAL CODE TX420000 MATERIAL NAME PROPANE 1-BUTOXY 2,3 EPOXY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+01	0	0.104D+03	0
0.189D+02	0	0.114D+03	0
0.284D+02	0	0.123D+03	0
0.378D+02	0	0.132D+03	0
0.473D+02	0	0.142D+03	0
0.568D+02	0	0.151D+03	0
0.662D+02	0	0.161D+03	0
0.757D+02	0	0.170D+03	0
0.851D+02	0	0.180D+03	0
0.946D+02	0	0.189D+03	1

LARGEST SPILL (LITERS) 0.189D+03 SMALLEST SPILL (LITERS) 0.189D+03 AVE SPILL 0.189D+03 TOT AMT SPILLED 0.189D+03

NUMBER OF SPILLS 1

MATERIAL CODE TX490000 MATERIAL NAME PROPANE 1-CHLORO 2,3 EPOXY 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+04	0	0.416D+05	0
0.757D+04	0	0.454D+05	0
0.114D+05	0	0.492D+05	0
0.151D+05	0	0.530D+05	0
0.189D+05	0	0.568D+05	0
0.227D+05	0	0.605D+05	0
0.265D+05	0	0.643D+05	0
0.303D+05	0	0.681D+05	0
0.341D+05	0	0.719D+05	0
0.378D+05	0	0.757D+05	1

LARGEST SPILL (LITERS) 0.756D+05 SMALLEST SPILL (LITERS) 0.756D+05 AVE SPILL 0.756D+05 TOT AMT SPILLED 0.756D+05

NUMBER OF SPILLS 1

MATERIAL CODE TX875000 MATERIAL NAME PROPANE 1,2 DIBROMO 3-CHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.280D+01	1	0.308D+02	0
0.561D+01	0	0.336D+02	0
0.841D+01	0	0.364D+02	0
0.112D+02	0	0.392D+02	0
0.140D+02	0	0.420D+02	0
0.168D+02	0	0.448D+02	0
0.196D+02	0	0.476D+02	0
0.224D+02	0	0.505D+02	0
0.252D+02	0	0.533D+02	0
0.280D+02	0	0.561D+02	1

LARGEST SPILL (LITERS) 0.560D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.285D+02 TOT AMT SPILLED 0.570D+02

NUMBER OF SPILLS 2

MATERIAL CODE TYPCING MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE TY200000 MATERIAL NAME 1,2 PROPANEDIOL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.189D+04	0	0.208D+05	0
0.378D+04	0	0.227D+05	0
0.568D+04	0	0.246D+05	0
0.757D+04	0	0.265D+05	0
0.946D+04	0	0.284D+05	0
0.114D+05	0	0.303D+05	0
0.132D+05	0	0.322D+05	0
0.151D+05	0	0.341D+05	0
0.170D+05	0	0.359D+05	0
0.189D+05	0	0.378D+05	1

LARGEST SPILL (LITERS) 0.378D+05 SMALLEST SPILL (LITERS) 0.378D+05 AVE SPILL 0.378D+05 TOT AMT SPILLED 0.378D+05

NUMBER OF SPILLS 1

MATERIAL CODE TZ542500 MATERIAL NAME PROPANE OXYBIS 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.566D+01	1	0.622D+02	0
0.113D+02	0	0.679D+02	0
0.170D+02	0	0.735D+02	0
0.226D+02	0	0.792D+02	0
0.283D+02	0	0.848D+02	0
0.339D+02	0	0.905D+02	0
0.396D+02	2	0.961D+02	0
0.452D+02	0	0.102D+03	0
0.509D+02	0	0.107D+03	0
0.566D+02	0	0.113D+03	1

LARGEST SPILL (LITERS) 0.113D+03 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.475D+02 TOT AMT SPILLED 0.190D+03

NUMBER OF SPILLS 4

MATERIAL CODE UC735000 MATERIAL NAME PROPENE 3 CHLORO- 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.751D+00	0	0.826D+01	0
0.150D+01	0	0.901D+01	0
0.225D+01	0	0.976D+01	0
0.300D+01	0	0.105D+02	0
0.375D+01	0	0.113D+02	0
0.450D+01	0	0.120D+02	0
0.526D+01	0	0.128D+02	0
0.601D+01	0	0.135D+02	0
0.676D+01	0	0.143D+02	0
0.751D+01	0	0.150D+02	1

LARGEST SPILL (LITERS) 0.150D+02 SMALLEST SPILL (LITERS) 0.150D+02 AVE SPILL 0.150D+02 TOT AMT SPILLED 0.150D+02

NUMBER OF SPILLS 1

MATERIAL CODE UC830000 MATERIAL NAME PROPEN,1,2-DICHLORO 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.417D+04	0	0.459D+05	0
0.835D+04	0	0.501D+05	0
0.125D+05	0	0.543D+05	0
0.167D+05	0	0.584D+05	0
0.209D+05	0	0.626D+05	0
0.250D+05	0	0.668D+05	0
0.292D+05	0	0.710D+05	0
0.334D+05	0	0.751D+05	0
0.376D+05	0	0.793D+05	0
0.417D+05	0	0.835D+05	1

LARGEST SPILL (KGRAMS) 0.834D+05 SMALLEST SPILL (KGRAMS) 0.834D+05 AVE SPILL 0.834D+05 TOT AMT SPILLED 0.834D+05

LARGEST HAZARD POTEN. 0.405D+02 SMALLEST HAZARD POTEN. 0.405D+02 AVE HZ. PT. 0.405D+02 TOT HAZARD PT. 0.405D+02

NUMBER OF SPILLS 1

MATERIAL CODE UD140000 MATERIAL NAME 2-PROPENENKRILE 2 METHYL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	0	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.180D+02 AVE SPILL 0.180D+02 TOT AMT SPILLED 0.180D+02

NUMBER OF SPILLS 1

MATERIAL CODE UD315000 MATERIAL NAME PROPENIC ACID BUTYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.661D+03	4	0.727D+04	0
0.132D+04	0	0.793D+04	0
0.198D+04	0	0.859D+04	0
0.264D+04	0	0.925D+04	0
0.330D+04	0	0.991D+04	0
0.396D+04	0	0.106D+05	0
0.462D+04	0	0.112D+05	0
0.529D+04	0	0.119D+05	0
0.595D+04	0	0.126D+05	0
0.661D+04	0	0.132D+05	1

LARGEST SPILL (LITERS) 0.132D+05 SMALLEST SPILL (LITERS) 0.370D+02 AVE SPILL 0.283D+04 TOT AMT SPILLED 0.141D+05

NUMBER OF SPILLS 5

MATERIAL CODE UE035000 MATERIAL NAME PROPIONALDEHYDE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.284D+02	0	0.312D+03	0
0.568D+02	0	0.341D+03	0
0.851D+02	0	0.369D+03	0
0.114D+03	0	0.397D+03	0
0.142D+03	0	0.426D+03	0
0.170D+03	0	0.454D+03	0
0.199D+03	0	0.482D+03	0
0.227D+03	0	0.511D+03	0
0.255D+03	0	0.539D+03	0
0.284D+03	0	0.568D+03	1

LARGEST SPILL (LITERS) 0.567D+03 SMALLEST SPILL (LITERS) 0.567D+03 AVE SPILL 0.567D+03 TOT AMT SPILLED 0.567D+03

NUMBER OF SPILLS 1

MATERIAL CODE UE595000 MATERIAL NAME PROPIONIC ACID 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	0	0.248D+02	0
0.450D+01	0	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	0	0.315D+02	0
0.113D+02	0	0.338D+02	0
0.135D+02	0	0.360D+02	0
0.158D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	0	0.450D+02	1

LARGEST SPILL (KGRAMS) 0.450D+02 SMALLEST SPILL (KGRAMS) 0.450D+02 AVE SPILL 0.450D+02 TOT AMT SPILLED 0.450D+02

LARGEST HAZARD POTEN. 0.289D-01 SMALLEST HAZARD POTEN. 0.289D-01 AVE HZ. PT. 0.289D-01 TOT HAZARD PT. 0.289D-01

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	1	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.600D+01 TOT AMT SPILLED 0.120D+02

NUMBER OF SPILLS 2

MATERIAL CODE UF140000 MATERIAL NAME 2-PROPIONIC ACID 2-2 DICHLORO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.165D+04	0	0.181D+05	0
0.329D+04	0	0.198D+05	0
0.494D+04	0	0.214D+05	0
0.659D+04	0	0.231D+05	0
0.823D+04	0	0.247D+05	0
0.988D+04	0	0.263D+05	0
0.115D+05	0	0.280D+05	0
0.132D+05	0	0.296D+05	0
0.148D+05	0	0.313D+05	0
0.165D+05	0	0.329D+05	1

LARGEST SPILL (LITERS) 0.329D+05 SMALLEST SPILL (LITERS) 0.329D+05 AVE SPILL 0.329D+05 TOT AMT SPILLED 0.329D+05

NUMBER OF SPILLS 1

MATERIAL CODE UF367500 MATERIAL NAME PROPIONIC ACID,ETHYL ESTER 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	0	0.248D+02	0
0.450D+01	0	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	0	0.315D+02	0
0.113D+02	0	0.338D+02	0
0.135D+02	0	0.360D+02	0
0.158D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	0	0.450D+02	1

LARGEST SPILL (LITERS) 0.450D+02 SMALLEST SPILL (LITERS) 0.450D+02 AVE SPILL 0.450D+02 TOT AMT SPILLED 0.450D+02

NUMBER OF SPILLS 1

MATERIAL CODE UF516000 MATERIAL NAME PROPIONIC ACID MERCAPTO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.150D+00	0	0.165D+01	0
0.300D+00	0	0.180D+01	0
0.450D+00	0	0.195D+01	0
0.601D+00	0	0.210D+01	0
0.751D+00	0	0.225D+01	0
0.901D+00	0	0.240D+01	0
0.105D+01	0	0.255D+01	0
0.120D+01	0	0.270D+01	0
0.135D+01	0	0.285D+01	0
0.150D+01	0	0.300D+01	1

LARGEST SPILL (LITERS) 0.300D+01 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.300D+01 TOT AMT SPILLED 0.300D+01

NUMBER OF SPILLS 1

MATERIAL CODE UG711000 MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.901D+00	0	0.991D+01	0
0.180D+01	0	0.108D+02	0
0.270D+01	0	0.117D+02	0
0.360D+01	1	0.126D+02	0
0.450D+01	0	0.135D+02	0
0.541D+01	0	0.144D+02	0
0.631D+01	0	0.153D+02	0
0.721D+01	0	0.162D+02	0
0.811D+01	0	0.171D+02	0
0.901D+01	0	0.180D+02	1

LARGEST SPILL (LITERS) 0.180D+02 SMALLEST SPILL (LITERS) 0.300D+01 AVE SPILL 0.105D+02 TOT AMT SPILLED 0.210D+02

NUMBER OF SPILLS 2

MATERIAL CODE UK492000 MATERIAL NAME PROPYNE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.946D+02	0	0.104D+04	0
0.189D+03	0	0.114D+04	0
0.284D+03	0	0.123D+04	0
0.378D+03	0	0.132D+04	0
0.473D+03	0	0.142D+04	0
0.568D+03	0	0.151D+04	0
0.662D+03	0	0.161D+04	0
0.757D+03	0	0.170D+04	0
0.851D+03	0	0.180D+04	0
0.946D+03	0	0.189D+04	1

LARGEST SPILL (LITERS) 0.189D+04 SMALLEST SPILL (LITERS) 0.189D+04 AVE SPILL 0.189D+04 TOT AMT SPILLED 0.189D+04

NUMBER OF SPILLS 1

MATERIAL CODE UK507500 MATERIAL NAME 2-PROPYN-1-OL 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.208D+02	0	0.229D+03	0
0.416D+02	0	0.250D+03	0
0.625D+02	0	0.271D+03	0
0.833D+02	0	0.291D+03	0
0.104D+03	0	0.312D+03	0
0.125D+03	0	0.333D+03	0
0.146D+03	0	0.354D+03	0
0.167D+03	0	0.375D+03	0
0.187D+03	0	0.396D+03	0
0.208D+03	0	0.416D+03	1

LARGEST SPILL (LITERS) 0.416D+03 SMALLEST SPILL (LITERS) 0.416D+03 AVE SPILL 0.416D+03 TOT AMT SPILLED 0.416D+03

NUMBER OF SPILLS 1

MATERIAL CODE UNK MATERIAL NAME 07-20-62

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.454D+02	1	0.499D+03	0
0.908D+02	0	0.545D+03	0
0.136D+03	0	0.590D+03	0
0.182D+03	0	0.636D+03	0
0.227D+03	1	0.681D+03	0
0.272D+03	0	0.726D+03	0
0.318D+03	0	0.772D+03	0
0.363D+03	0	0.817D+03	0
0.409D+03	0	0.863D+03	0
0.454D+03	0	0.908D+03	1

LARGEST SPILL (KGRAMS) 0.907D+03 SMALLEST SPILL (KGRAMS) 0.220D+02 AVE SPILL 0.375D+03 TOT AMT SPILLED 0.113D+04

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT. HAZARD PT. 0.0

NUMBER OF SPILLS 3

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.227D+03	0	0.250D+04	0
0.454D+03	0	0.273D+04	0
0.682D+03	0	0.295D+04	0
0.909D+03	1	0.318D+04	0
0.114D+04	0	0.341D+04	0
0.136D+04	0	0.364D+04	0
0.159D+04	0	0.386D+04	1
0.182D+04	0	0.409D+04	0
0.205D+04	0	0.432D+04	0
0.227D+04	0	0.454D+04	1

LARGEST SPILL (LITERS) 0.454D+04 SMALLEST SPILL (LITERS) 0.756D+03 AVE SPILL 0.303D+04 TOT AMT SPILLED 0.908D+04

NUMBER OF SPILLS 3

MATERIAL CODE URANIUM MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.340D+02	0	0.374D+03	0
0.681D+02	0	0.408D+03	0
0.102D+03	0	0.442D+03	0
0.136D+03	0	0.476D+03	0
0.170D+03	0	0.511D+03	0
0.204D+03	0	0.545D+03	0
0.238D+03	0	0.579D+03	0
0.272D+03	0	0.613D+03	0
0.306D+03	0	0.647D+03	0
0.340D+03	0	0.681D+03	1

LARGEST SPILL (KGRAMS) 0.680D+03 SMALLEST SPILL (KGRAMS) 0.680D+03 AVE SPILL 0.680D+03 TOT AMT SPILLED 0.680D+03

LARGEST HAZARD POTEN. 0.0 SMALLEST HAZARD POTEN. 0.0 AVE HZ. PT. 0.0 TOT. HAZARD PT. 0.0

NUMBER OF SPILLS 1

MATERIAL CODE URB40000 MATERIAL NAME PYRIDINE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.200D+00	0	0.220D+01	0
0.400D+00	0	0.240D+01	0
0.601D+00	0	0.260D+01	0
0.801D+00	0	0.280D+01	0
0.100D+01	0	0.300D+01	0
0.120D+01	0	0.320D+01	0
0.140D+01	0	0.340D+01	0
0.160D+01	0	0.360D+01	0
0.180D+01	0	0.380D+01	0
0.200D+01	0	0.400D+01	1

LARGEST SPILL (KGRAMS) 0.400D+01 SMALLEST SPILL (KGRAMS) 0.400D+01 AVE SPILL 0.400D+01 TOT AMT SPILLED 0.400D+01

LARGEST HAZARD POTEN. 0.436D-02 SMALLEST HAZARD POTEN. 0.436D-02 AVE HZ. PT. 0.436D-02 TOT HAZARD PT. 0.436D-02

NUMBER OF SPILLS 1

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	3	0.661D+01	0
0.165D+01	0	0.716D+01	2
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	3	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.411D+01 TOT AMT SPILLED 0.370D+02

NUMBER OF SPILLS 9

MATERIAL CODE UU022500 MATERIAL NAME 10H-PYRIDO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE UW052500 MATERIAL NAME 1 (2H) PYRIMIDINETHIONE 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.225D+01	0	0.248D+02	0
0.450D+01	0	0.270D+02	0
0.676D+01	0	0.293D+02	0
0.901D+01	0	0.315D+02	0
0.113D+02	0	0.338D+02	0
0.135D+02	0	0.360D+02	0
0.158D+02	0	0.383D+02	0
0.180D+02	0	0.405D+02	0
0.203D+02	0	0.428D+02	0
0.225D+02	0	0.450D+02	1

LARGEST SPILL (KGRAMS) 0.450D+02 SMALLEST SPILL (KGRAMS) 0.450D+02 AVE SPILL 0.450D+02 TOT AMT SPILLED 0.450D+02

LARGEST HAZARD POTEN. 0.273D-02 SMALLEST HAZARD POTEN. 0.273D-02 AVE HZ. PT. 0.273D-02 TOT HAZARD PT. 0.273D-02

NUMBER OF SPILLS 1

MATERIAL CODE UY579000 MATERIAL NAME 2-PYRROLIDINONE 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.500D-01	0	0.551D+00	0
0.100D+00	0	0.601D+00	0
0.150D+00	0	0.651D+00	0
0.200D+00	0	0.701D+00	0
0.250D+00	0	0.751D+00	0
0.300D+00	0	0.801D+00	0
0.350D+00	0	0.851D+00	0
0.400D+00	0	0.901D+00	0
0.450D+00	0	0.951D+00	0
0.500D+00	0	0.100D+01	1

LARGEST SPILL (LITERS) 0.100D+01 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.100D+01 TOT AMT SPILLED 0.100D+01

NUMBER OF SPILLS 1

MATERIAL CODE VARNISH MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+02	0	0.416D+03	0
0.757D+02	0	0.454D+03	0
0.114D+03	0	0.492D+03	0
0.151D+03	0	0.530D+03	0
0.189D+03	0	0.568D+03	0
0.227D+03	0	0.605D+03	0
0.265D+03	0	0.643D+03	0
0.303D+03	0	0.681D+03	0
0.341D+03	0	0.719D+03	0
0.378D+03	0	0.757D+03	1

LARGEST SPILL (LITERS) 0.756D+03 SMALLEST SPILL (LITERS) 0.756D+03 AVE SPILL 0.756D+03 TOT AMT SPILLED 0.756D+03

NUMBER OF SPILLS 1

MATERIAL CODE VG711000 MATERIAL NAME RESIN 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.480D+01	3	0.529D+02	1
0.961D+01	1	0.577D+02	0
0.144D+02	1	0.625D+02	0
0.192D+02	0	0.673D+02	0
0.240D+02	0	0.721D+02	0
0.288D+02	0	0.769D+02	0
0.336D+02	0	0.817D+02	0
0.384D+02	0	0.865D+02	0
0.432D+02	0	0.913D+02	0
0.480D+02	0	0.961D+02	1

LARGEST SPILL (KGRAMS) 0.960D+02 SMALLEST SPILL (KGRAMS) 0.100D+01 AVE SPILL 0.247D+02 TOT AMT SPILLED 0.173D+03

LARGEST HAZARD POTEN. 0.466D-02 SMALLEST HAZARD POTEN. 0.465D-04 AVE HZ. PT. 0.120D-02 TOT HAZARD PT. 0.840D-02

NUMBER OF SPILLS 7

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.477D+02	55	0.525D+03	0
0.954D+02	5	0.572D+03	0
0.143D+03	2	0.620D+03	0
0.191D+03	4	0.668D+03	1
0.238D+03	4	0.715D+03	0
0.286D+03	1	0.763D+03	0
0.334D+03	1	0.811D+03	0
0.382D+03	1	0.859D+03	0
0.429D+03	0	0.906D+03	0
0.477D+03	0	0.954D+03	1

LARGEST SPILL (LITERS) 0.953D+03 SMALLEST SPILL (LITERS) 0.100D+01 AVE SPILL 0.701D+02 TOT AMT SPILLED 0.526D+04

NUMBER OF SPILLS 75

MATERIAL CODE VINYL MATERIAL NAME 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.551D+00	0	0.606D+01	0
0.110D+01	0	0.661D+01	0
0.165D+01	0	0.716D+01	0
0.220D+01	0	0.771D+01	0
0.275D+01	0	0.826D+01	0
0.330D+01	0	0.881D+01	0
0.385D+01	0	0.936D+01	0
0.440D+01	0	0.991D+01	0
0.495D+01	0	0.105D+02	0
0.551D+01	0	0.110D+02	1

LARGEST SPILL (LITERS) 0.110D+02 SMALLEST SPILL (LITERS) 0.110D+02 AVE SPILL 0.110D+02 TOT AMT SPILLED 0.110D+02

NUMBER OF SPILLS 1

MATERIAL CODE VN502000 MATERIAL NAME SALICIL 5-S DIBROMO 07-20-82

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.378D+02	0	0.416D+03	0
0.757D+02	0	0.454D+03	0
0.114D+03	0	0.492D+03	0
0.151D+03	0	0.530D+03	0
0.189D+03	0	0.568D+03	0
0.227D+03	0	0.605D+03	0
0.265D+03	0	0.643D+03	0
0.303D+03	0	0.681D+03	0
0.341D+03	0	0.719D+03	0
0.378D+03	0	0.757D+03	1

LARGEST SPILL (LITERS) 0.756D+03 SMALLEST SPILL (LITERS) 0.756D+03 AVE SPILL 0.756D+03 TOT AMT SPILLED 0.756D+03

NUMBER OF SPILLS 1

MATERIAL CODE VV822500 MATERIAL NAME SILICATE HEXAFLUORO DIHYDROGEN 07-20-82

SPILL DISTRIBUTION (KGRAMS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.350D+01	0	0.385D+02	1
0.701D+01	0	0.420D+02	0
0.105D+02	0	0.455D+02	0
0.140D+02	0	0.490D+02	0
0.175D+02	0	0.526D+02	0
0.210D+02	0	0.561D+02	0
0.245D+02	0	0.596D+02	0
0.280D+02	0	0.631D+02	0
0.315D+02	0	0.666D+02	0
0.350D+02	0	0.701D+02	1

LARGEST SPILL (KGRAMS) 0.700D+02 SMALLEST SPILL (KGRAMS) 0.380D+02 AVE SPILL 0.540D+02 TOT AMT SPILLED 0.108D+03

LARGEST HAZARD POTEN. 0.469D-02 SMALLEST HAZARD POTEN. 0.254D-02 AVE HZ. PT. 0.361D-02 TOT. HAZARD PT. 0.723D-02

NUMBER OF SPILLS 2

SPILL DISTRIBUTION (LITERS)

UPPER LIMIT	DISTRIBUTION	UPPER LIMIT	DISTRIBUTION
0.284D+03	5	0.312D+04	0
0.568D+03	1	0.341D+04	0
0.851D+03	0	0.369D+04	0
0.114D+04	0	0.397D+04	0
0.142D+04	0	0.426D+04	0
0.170D+04	0	0.454D+04	0
0.199D+04	1	0.482D+04	0
0.227D+04	0	0.511D+04	0
0.255D+04	0	0.539D+04	0
0.284D+04	0	0.568D+04	2

LARGEST SPILL (LITERS) 0.567D+04 SMALLEST SPILL (LITERS) 0.750D+02 AVE SPILL 0.157D+04 TOT AMT SPILLED 0.141D+05

NUMBER OF SPILLS 9